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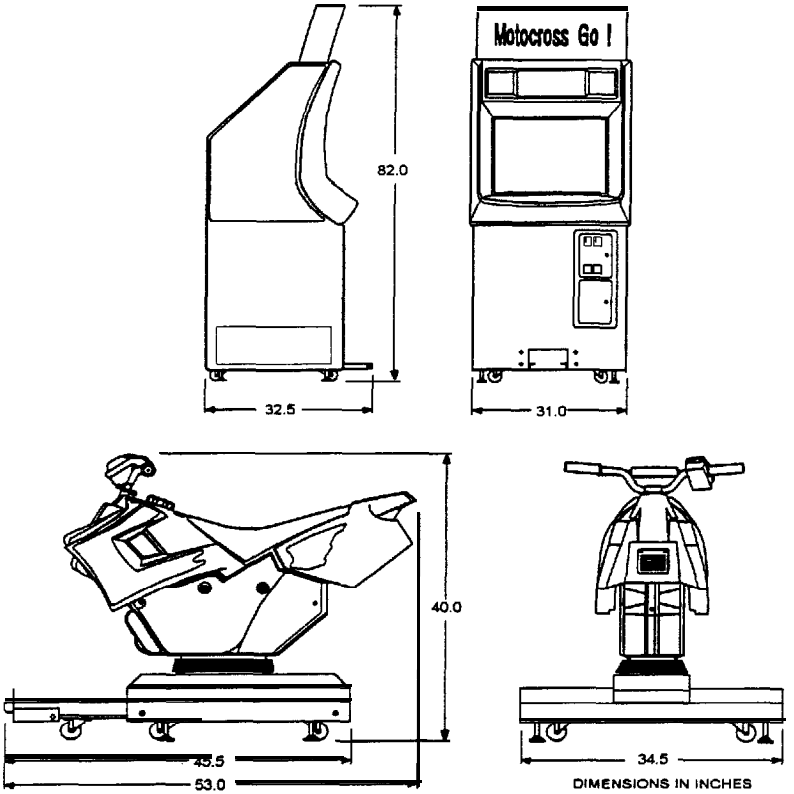
1.0 SPECIFICATIONS

Configuration:	Single-player, separate monitor tower and bike base assemblies
Input Power:	1 10-125 VAC, 50/60 Hz, 8 Amps max
Power Supplies:	(1 ea.) +5V and +12VDC 200 Watt switcher (1 ea.) +3.3VDC 75 Watt switcher Isolated power supplies for audio/motor drive
Monitor:	(1 ea.) 27 inch Wells-Gardner K7400
Game PCB:	Namco System 23
Linking:	Up to 4 players (4 games)
Controls:	DC motorized handle assy (Happ) Steering: 1 k 60 deg. pot Accelerator (throttle): 1 k 270 deg. pot Brake: 1 k 40 deg. pot Bank angle: +/-15 deg., 1 k 40 deg. pot
Dimensions (packed):	Monitor tower assy: 35.5" W x 37" D x 83" H Marquee Assy: (packed within Monitor tower carton) Bike base assy: 60" W x 41" D x 47.5" H
Weights (packed):	Monitor tower assy: 448 lbs Bike base assy: 315 lbs

Note: *Specifications are subject to change without prior notice. Shipping dimensions and weights are based on standard packing specification.*

1.1 Installed Dimensions



1.2 Convenience Kit *(Included with Game Cabinet)*

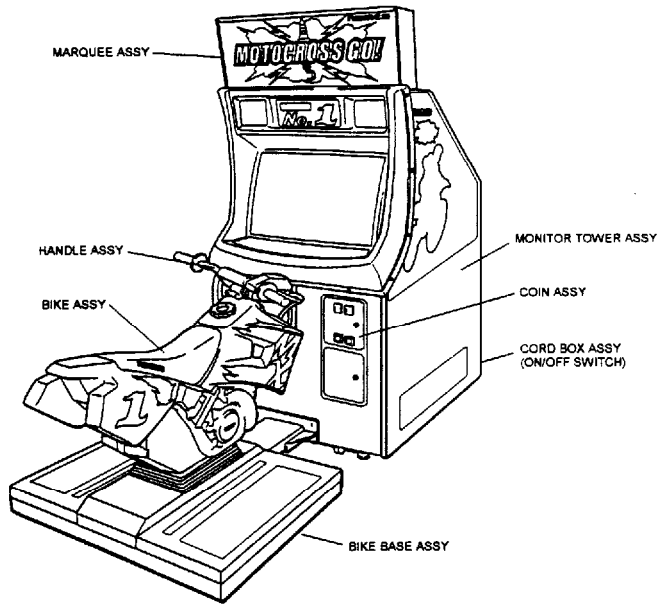
P/N	DESCRIPTION	#	P/N	DESCRIPTION	#
MX45-07345-00	MANUAL, OPERATOR'S	1	MX40-07063-00	DECAL, BEZEL, #1	1
VG52-03584-11	FUSE, 8 AMP, SLOW-BLOW	1	MX40-07063-01	DECAL, BEZEL, #2	1
VG81-03070-25	BIT, TORX, TT-25	1	MX40-07063-02	DECAL, BEZEL, #3	1
VG50-06800-01	CABLE, USB, A TO B, 3.5m	1	MX40-07063-03	DECAL, BEZEL, #4	1
MX10-07125-00	JOINT, RIDE	2	MX40-07067-00	DECAL, NUMBER, PLAYER	2
VG20-05308-20	SCREW, SKT HD, M8 x 20, BO	4	VG20-03183-40	SCREW, PAN HD PHIL, M6 x 40	2
VG20-05522-09	WASHER, FLAT, M8, BO	4	VG20-05520-08	WASHER, FLAT, M6	2
VG20-05523-09	WASHER, SPLIT LOCK, M8, BO	4			

2.0 INTRODUCTION

2.1 Game Description

Motocross Go! SD is a motorcycle racing game, linkable by up to 4 players, offering competition on either a one-way (going/coming) undulating course or a round course for two or more players.

Turning is accomplished by leaning the bike left or right. The handlebar is used to make a small adjustment to the bike's direction and to provide counter steering. Accelerator and brake controls are provided on the handle assy.



2.2 Game Rules

- The player needs to reach the goal as fast as possible within the time limit.
- Players choose from three courses and select either of two bikes. In Communication (linked) mode, the course is decided by a majority of players.
- The game continues until the time runs out. In linked mode, if one of the players participating in the same race passes the check point, time is extended.

3.0 PRECAUTIONS

3.1 Installation

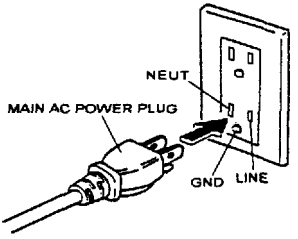
This game is designed for indoor use only. **The following conditions must be met:**

1. The game location must be free of direct exposure to sunlight, high humidity, dust, high heat or extreme cold. If installed in an unusually hot location, allow additional clearance between the rear of the game cabinet and any structure which would tend to restrict air circulation.

   Do **not** *install in an* **area** *such that the game would present an obstacle in case of* **an** *emergency (i.e., near fire equipment or emergency exits).*

2. Vibration. Due to the considerable accelerations produced on the ride base by the player, it is very important to make sure that both the cabinet/bike attachment bolts and the leg levelers are installed and tightened prior to operation.

3. Before operating the game, make sure that the main AC power hookup includes a safety ground. This will ensure safe operation as well as compliance with the applicable FCC and UL requirements.

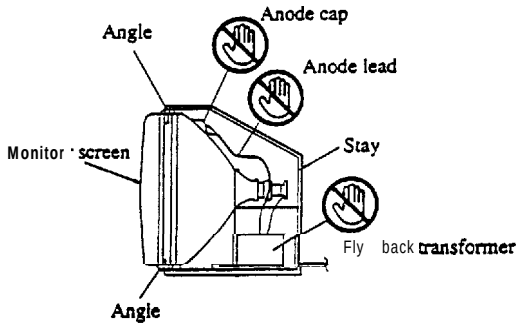


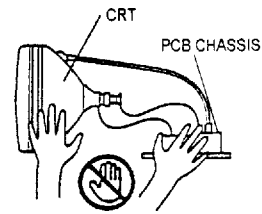
4. Measure the AC line voltage [LINE to GND and LINE to NEUT] and verify that it is between 1 10 and 125VAC. NEUT to GND voltage should be less than 1 VAC.

3.2 Handling

1. Before replacing any parts, turn the AC power OFF and unplug the **game.**
2. Do not attempt to repair the Printed Circuit Boards (PCBs) on-site. They contain sensitive integrated circuit chips that could be easily damaged, even by the small internal voltage of a multimeter. Always return the PCBs to your distributor for any repairs.

3. The game monitor has areas of high voltage. Take care at all times to avoid electrical shock whenever inspecting or adjusting the game. Before servicing the monitor(s), **make sure the game is unplugged.**

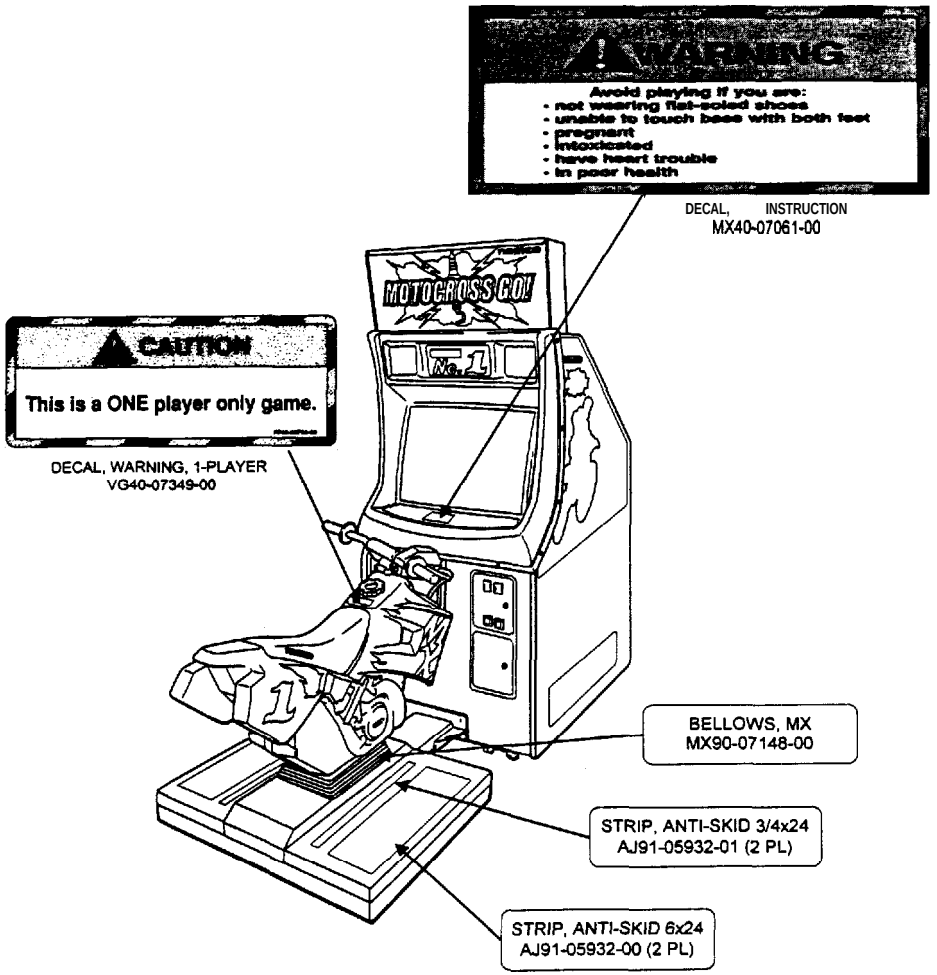




4. Within the game cabinet ferrite clamps and shields have been included where needed to control electric field emissions. Removal or relocation of either the ferrites or shields will cause the FCC specification limits to be exceeded, and may cause faulty operation of nearby susceptible equipment. Also, re-routing or disconnection of grounds within the game system will result in excessive emissions and/or a safety hazard.
5. Always return levelers to the extreme up position before moving the game.
6. Always re-install the bike lock plates before moving the game.
7. Always separate the monitor tower and bike base assemblies before moving the game.

3.3 Player Safety

WARNING	THE FEATURES SHOWN ARE INTENDED TO PROTECT PLAYERS AGAINST INJURY. REPLACE ANY DAMAGED OR MISSING PARTS.



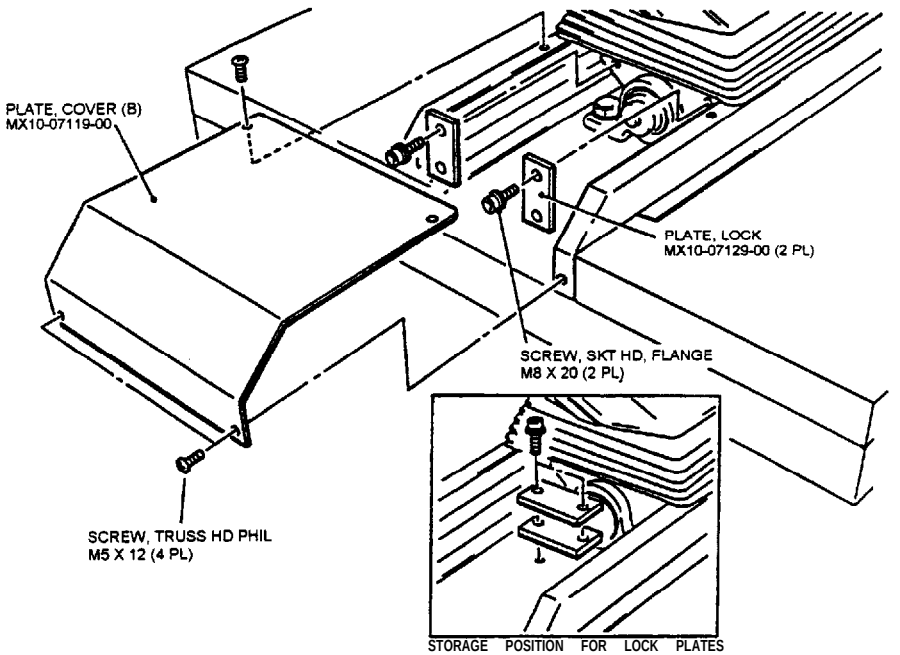
4.0 INSTALLATION

4.1 Lock Plate Removal

IMPORTANT

FOR PROTECTION OF THE BIKE, THE LOCK PLATES ARE INSTALLED PRIOR TO SHIPPING. THEY MUST BE REMOVED BEFORE PLACING THE GAME INTO OPERATION. ALWAYS RE-INSTALL THE LOCK PLATES BEFORE MOVING THE GAME.

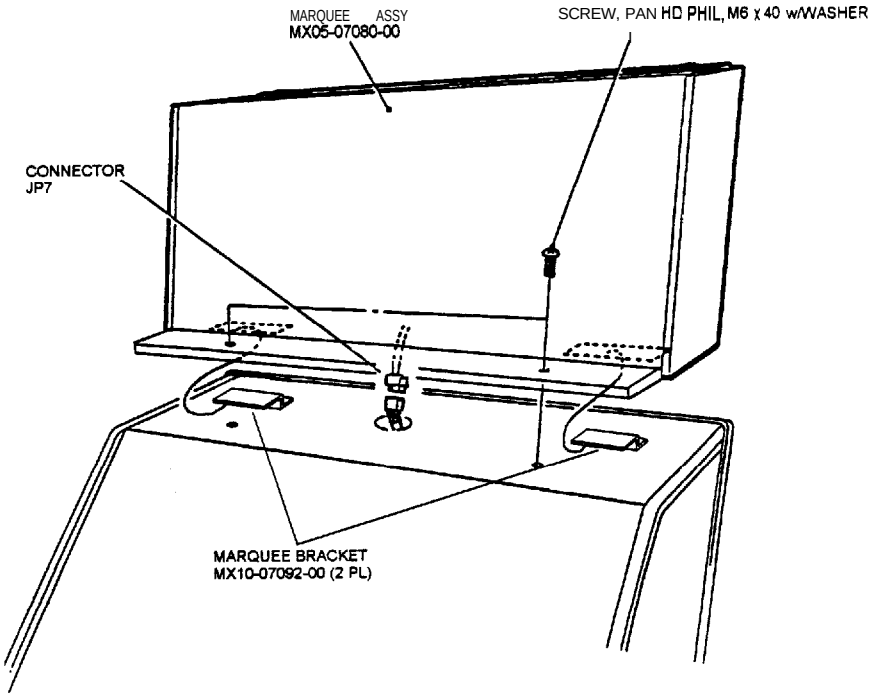
1. Remove the four M5 x 12 truss head phillips screws that attach cover plate (B) to the bike base.
2. Remove the two M8 x 20 socket head flange screws (requires 6mm hex key).
3. Remove the two lock plates and secure them in the storage position as shown.



4.2 Marquee Assy

Tools needed: phillips screwdriver

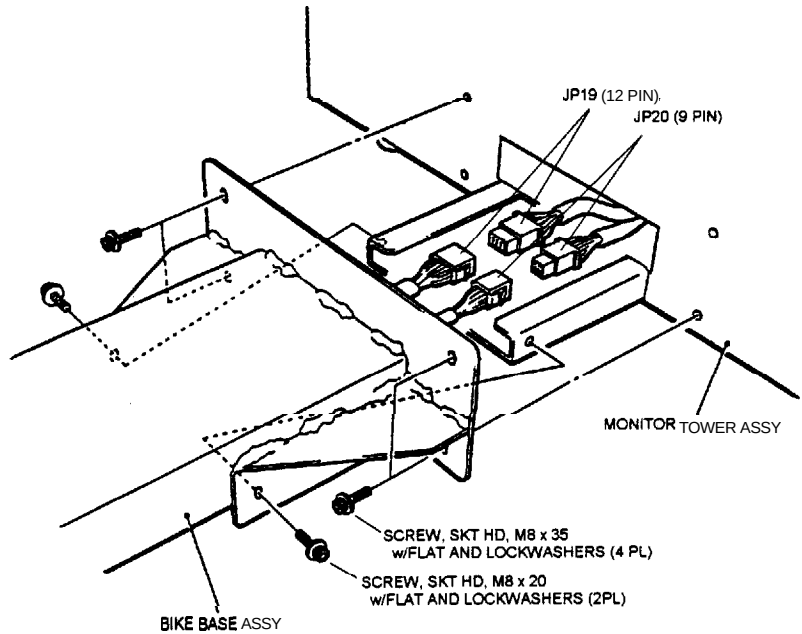
1. Locate the 2 ea. M6 x 40 attachment screws w/washers in the convenience kit (Alt: installed in threaded holes in top of cabinet).
2. Place the marquee on top of the cabinet assy, tilting it slightly in order to connect the cable harness at JP7.
3. Hook the marquee base panel over the 2 marquee brackets.
4. Install the 2 ea. M6 X 40 screws through the marquee base and into the cabinet.



4.3 Bike Base to Monitor Tower

Tools needed: 6mm hex wrench and leveler wrench

1. Position the bike base near the monitor tower as shown, allowing about a foot of working area between the bike base and cabinet.
2. Locate the attachment hardware. (2 ea. M8 x 20 and 4 ea. M8 x 35 w/washers).
3. Connect the 2 cable harnesses at JP19 and JP20.
4. Using care to prevent damage to the cable harnesses, push the two assemblies together and install the attachment hardware, making sure to use the flat and lockwashers provided.
5. Lower the leg levelers.


JP19 (12 PIN).
JP20 (9 PIN)
MONITOR TOWER ASSY
SCREW, SKT HD, M8 x 35
w/FLAT AND LOCKWASHERS (4 PL)
SCREW, SKT HD, M8 x 20
w/FLAT AND LOCKWASHERS (2PL)
BIKE BASE ASSY

5.0 INITIALIZATION, TEST MODES, AND GAME OPTIONS

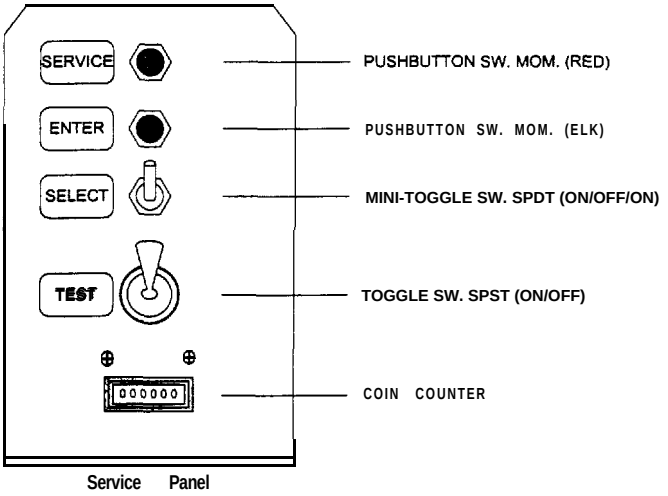
5.1 Game Initialization and Main Menu

IMPORTANT

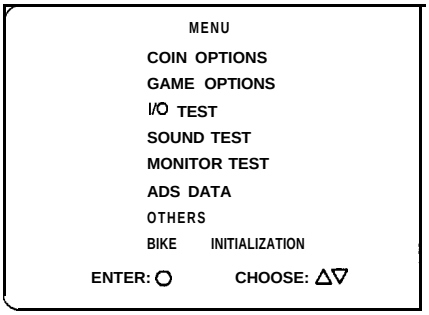
Always initialize the game after replacing either the game PCB, ROMs, power supply, bike assy potentiometers, or at the time of game installation. Perform this procedure in the sequence indicated.

1. System initialization is performed as follows:

a) Open the coin door to gain access to the SERVICE panel.



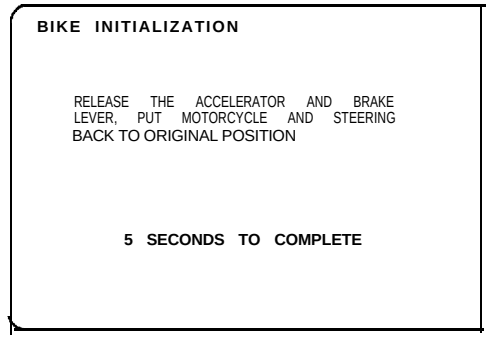
b) Flip the TEST switch ON. The main test MENU screen will appear.



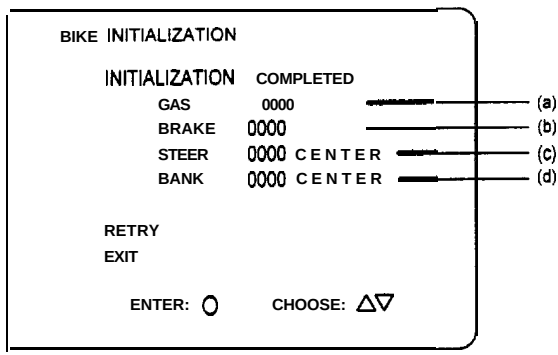
c) Remove hands from the accelerator and brake levers, stand the bike straight up, and center the handle assy.

d) Use the SELECT switch to select BIKE INITIALIZATION.

e) Press the ENTER switch. The BIKE INITIALIZATION screen will appear. Follow the instructions displayed on the monitor.

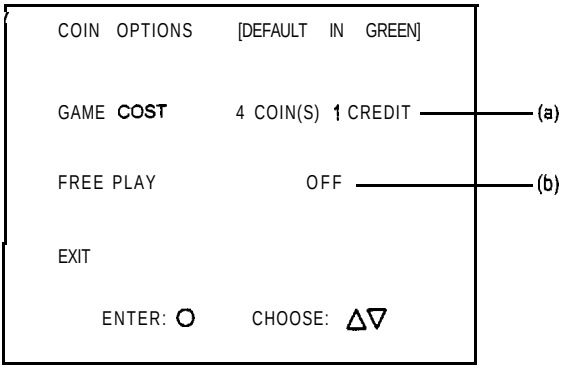

BIKE INITIALIZATION
RELEASE THE ACCELERATOR AND BRAKE LEVER, PUT MOTORCYCLE AND STEERING BACK TO ORIGINAL POSITION
5 SECONDS TO COMPLETE

f) The values for GAS, BRAKE, STEER, and BANK should be normalized to around 0000. Exercise each of the controls and verify that "OK" is displayed. If not, select "RETRY" to repeat the initialization.



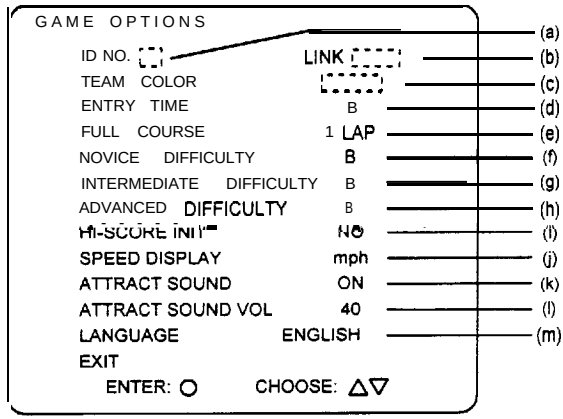
g) Turn the TEST switch OFF, then ON again, and proceed with the other items on the test menu.

5.1 .I Coin Options



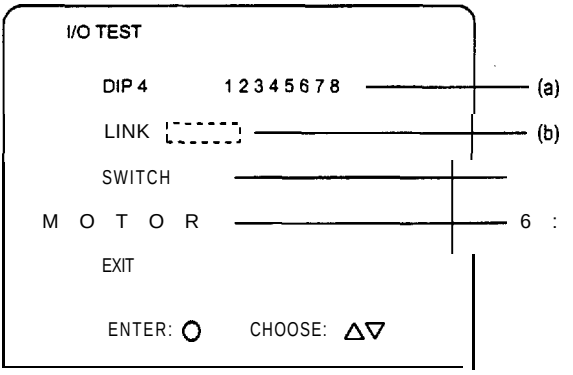
Item	Description	Range	Default
(a)	Number of coins required per game (1 credit)	1 - 9 COINS	2
(b)	Determines whether coin-up is required to play	ON/OFF	OFF
	NOTE: When more than one game is linked, if GAME COST is set to 9 COINS while FREE PLAY is set to ON, all linked games are automatically accepted when one player makes an entry.	----------	- -

5.1.2 Game Options



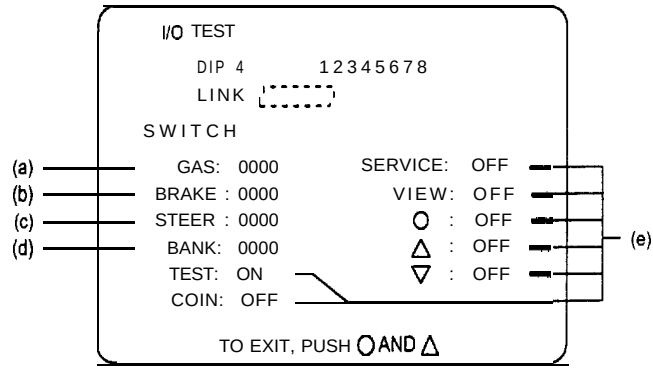
Item	Description	Range	Default
(a)	The ID number that is manually set for the player's PCB. If operating in linked mode (2-4 players), each player must have a unique ID number or "NG" will be displayed. ID numbers in linked mode are typically set from 1-4 from left to right (the player on the far left is 1, the next one over is 2, and so on).	1-4	1
(b)	Status of the communication (linking) between connected games. When operating normally, LINK ON 1 to 4 is displayed. When the game cannot receive data from other games, LINK OFF is displayed. If there is a data error between games, LINK NG is displayed.	LINK ON 1-4 LINK OFF LINK NG	OFF
(c)	Color and racing number of the player.	BLUE 1 RED 2 YELLOW 3 GREEN 4	BLUE 1
(d)	Entry time, before start of game.	A (long) B (normal) C (short) D (very short)	B
(e)	Length of the advanced course. The difficulty for either 1 or 2 laps is set in ADVANCED DIFFICULTY.	1 LAP 2 LAPS	1 LAP
(f,g,h)	Sets the difficulty levels of the 3 different courses.	A (easy) B (normal) C (difficult) D (very difficult)	B
(i)	Determines whether the high score is initialized.	NO, YES	NO
(j)	Speed display units.	Km/h, mph	mph
(k)	Music output in attract mode.	ON, OFF	ON
(l)	Volume of the sound in attract mode.	0 ⇒ 65	40
(m)	Language for warning messages.	Various	ENGLISH

5.1.3 I/O Test



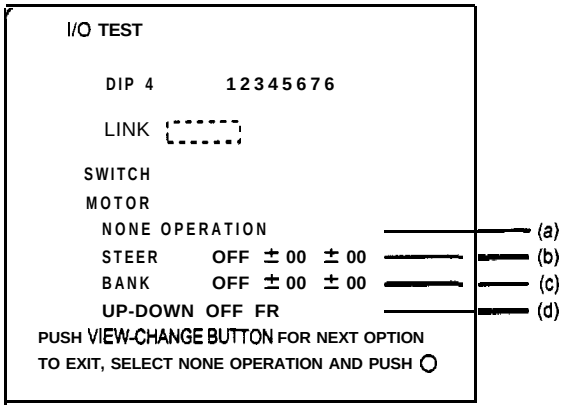
Item	Description	Range	Default
(a)	The status of the DIP switch (SW4) on the CPU PCB is displayed. Switches that are ON are highlighted in red.	ON/OFF	OFF (all)
(b)	The communication status between player positions is displayed. When operating in linked mode, LINK ON "n" is shown, where "n" is the number of connected units (l-4). If LINK OFF is displayed, the player unit is not receiving data *from the* other linked units. LINK NG is displayed when there is a data error between units. If either NG or OFF is encountered, the PCB ID number should be checked in the GAME OPTIONS menu (the left player should be 1, the next one should be 2. and so on). *The link cable* in *the back of the game needs to be installed in order to communicate with neighboring* units. (See Linked Operation).	ON (14) OFF NG	OFF
(c)	Provides a test *screen* for the checkout of the game's switches and potentiometers.	- - -	
(d)	Provides a test screen for the checkout of the force-feedback Handle motor.	- - - - - _ -	

5.1.3.1 Switch Test



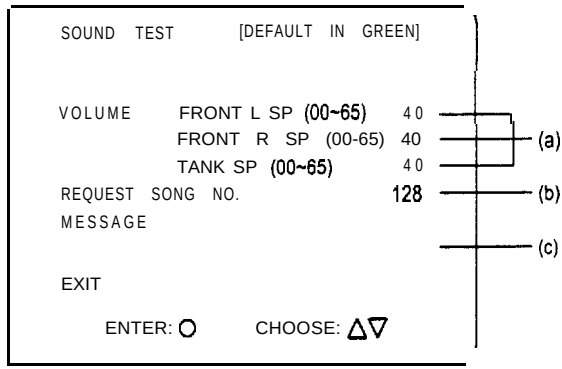
Item	Description	Range	Default
(a)	Value increases (+) as the accelerator (throttle) is rotated. OK should be displayed at an angle less than full throttle.	0000 - FFFF	0000 +/-0005
(b)	Value increases (-) as the brake lever is pulled. OK should be displayed at less than maximum brake angle.	0000 - FFFF	0000 +/-0005
(c)	Value increases (+) as the handle is rotated to the right. Value increases (-) as the handle is rotated to the left. CENTER is displayed at the neutral position.	0000-FFFF; CENTER	0000 +/-0005
(d)	Value increases (+) as the bike is leaned to the right. Value increase (-) as the bike is leaned to the left. CENTER is displayed at the neutral position (straight up).	0000 FFFF; CENTER	0000 +/-0005
(e)	Allows each switch to be tested. TEST is ON in Test Mode.	ON/OFF	OFF

5.1.3.2 Motor Test



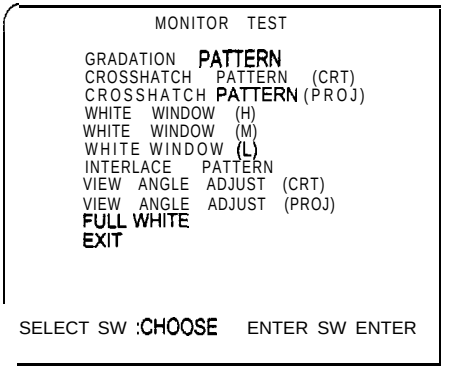
Item	Description	Range	Default
(a)	Provides a non-operating *mode* for the purpose of getting ready for the motor test. The technician should get on the bike and center the handle before proceeding to (b). If NONE OPERATION is highlighted while the ENTER switch is pressed, the main I/O TEST screen reappears.	----------	NONE OPERATION
(b)	From (a), press the view change button to call up the STEER (handle) test. The force-feedback motor produces a torque alternating in the left and right directions. If operating normally, ON is displayed. If the motor drive signal produces an angular output which is determined to be out of tolerance, **ERR** will be displayed. This indicates the need to troubleshoot the handle drive mechanism or angular sensor.	OFF; ON +/-00 to FF; ERR	OFF
(c)	DX MODEL ONLY: tests the BANK actuator as in (b).	OFF; ON +/-00 to FF; ERR	OFF
(d)	DX MODEL ONLY: tests the air springs.	OFF ON F, R	OFF

5.1.4 Sound Test



Item	Description	Range	Default
(a)	Separate settings adjust the audio output level on the left, right and tank speakers from the system PCB. Use the SELECT switch to adiust up/down. Secondary L.R volume control potentiometers are located on the HP Amp PCBs.	00 – 65	40
(b)	Use the ENTER switch to select the digit to be changed, and the SELECT switch to change the value. Song no. 000 is no sound; 001 is stereo check.	000 – 199	000
(c)	During the stereo check (001), LEFT, RIGHT. and CENTER are tested in sequence.	----------	-------

5.1.5 Monitor Test



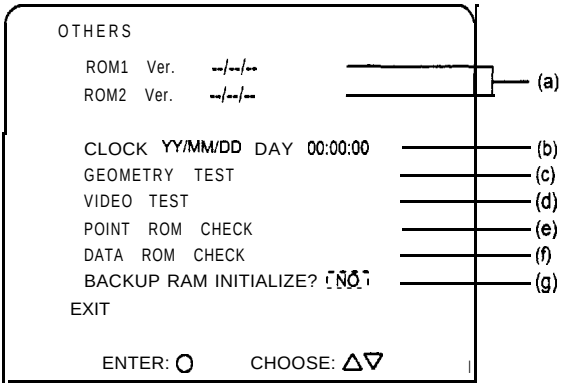
Gradation Pattern	Four bars (G, R. B, W from top to bottom) with 16 gradations each are displayed.
Crosshatch Pattern [CRT]	Green Grid is displayed. Lines should be reasonably straight, undistorted and uniformly bright-across screen,
Crosshatch Pattern [Projector]	White Grid is displayed. This can be used to check monitor convergence. Slight non-convergence (R, G or B showing) is normal.
White Window [H, M. L]	Used to check light output (contrast) of screen. WHITE [H] reading should be 40 to 80 R-L. Monitor contrast adjustments can be made using the remote monitor PCB located behind the service panel.
Interlace Pattern	A pattern of line blocks is displayed, used for indication of vertical hold adjustment. On the center pair of line blocks, the top line of the right block of lines should be aligned with the space between the first and second lines of the lefl block.
View Angle Adjust [CRT]	Green Screen, with black frame, used at factory to set the VERT height, HORIZ width, and VERT/HORIZ centering. Crosspoint should be in the center of the screen. Horizontal width should be set for slight overscan. If adjustments are required. use the controls on the remote monitor PCB located behind the service panel.
View Angle Adjust [Projector]	Black Screen, with white frame. Crosspoint should be in center of screen.
Full White	Used to check White Screen light output. (Nominally 15-20 R-L).

5.1.6 ADS Data

Test screen(s) provide data on total time and play time with respect to the various course/bike selections.

The accumulated data shall not be initialized upon power-off unless either RESET DATA or BACKUP RAM INITIALIZE are performed on the OTHERS test screen.

5.1.7 **Others Test**

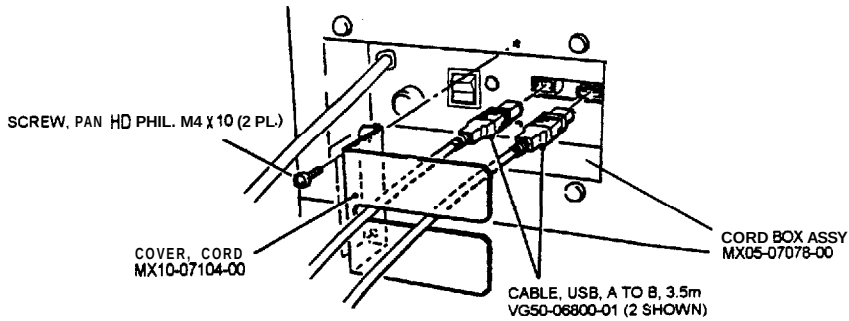


Item	Description	Range	Default
(a)	Displays the software version.	----------	--------
(b)	Displays the dock. To adjust the clock, select year/month/day, hour/minute/second and adjust the value using the SELECT switch. Press the ENTER switch to load the adjusted value.	----------	Date Of Mfg.
(c)	Performs the GEOMETRY test on the game PCB. OK is displayed at the end of the test.	OK/NG	OK
(d)	Performs the VIDEO test on the game PCB. OK is displayed at the end of the test.	OK/NG	OK
(e, f)	Performs a test on the POINT ROM and DATA ROM.	OWNG	OK
(g)	When BACK UP RAM INITIALIZE is selected, the screen presents a YES/NO choice. When YES is selected, followed by ENTER, both the game option settings. potentiometer offset, and game data are reset to their default values. *After initializing the backup memory, perform the game initialization procedure.*	YES/NO	NO

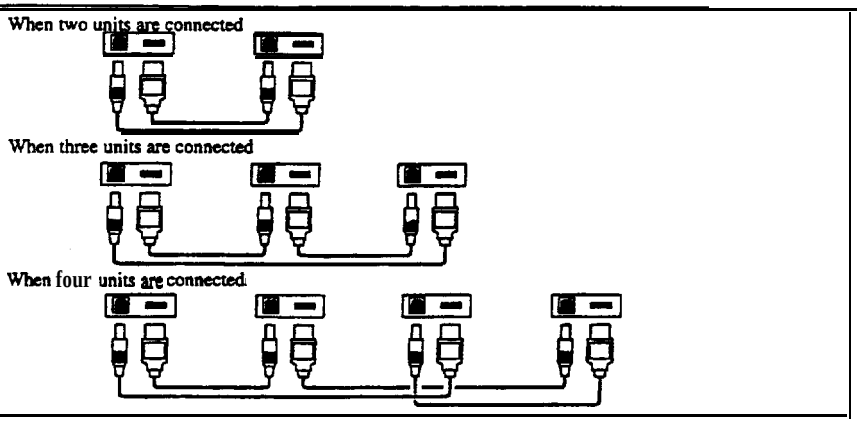
5.2 Linked Operation

Up to four games can be operated in Communication (linked) mode.

1. Turn off the main AC power.
2. Remove the cord cover from the back of each of the units to be linked.
3. Locate the link cable supplied with each game's convenience kit.
4. Connect the cables as shown below, and re-install the cord covers.
5. Turn on the power, and set each of the game's PCB ID numbers as described in the GAME OPTIONS section.



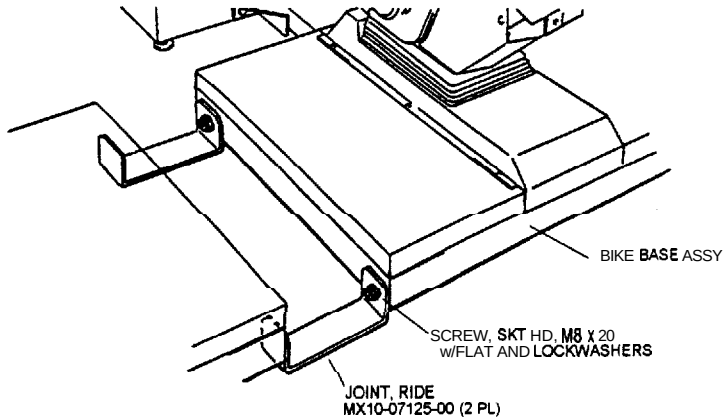
CONNECTING THE USB (LINK) CABLES



5.2 Linked Operation (continued)

Adjacent units can be bolted together as shown below.

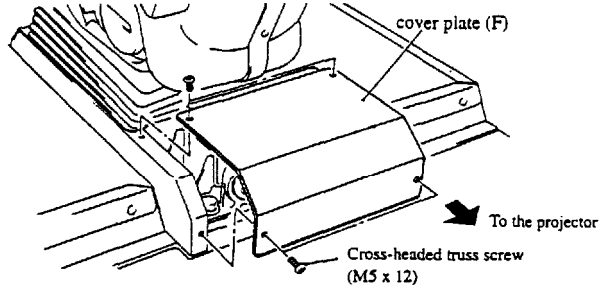
1. Place the first game in position, with leg levelers down.
2. Install the 2 ride joint brackets on the first game, using half the M8 x 20 hardware supplied with the convenience kit, leaving the screws slightly loose.
3. Push the second game into position, and align the threaded holes in the bike base with the holes in the ride joint brackets.
4. Install the remaining hardware, lower the leg levelers on the second game, then tighten the screws.



6.0 MAINTENANCE

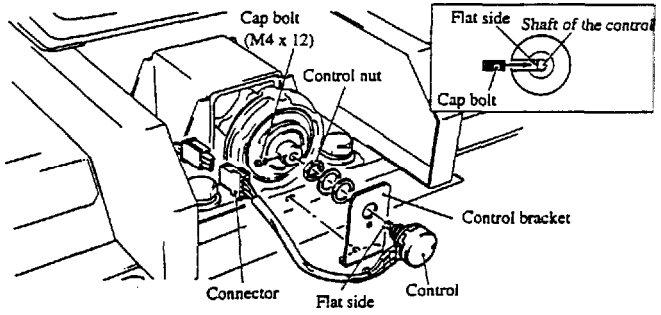
6.1 Replacing the Bank Control Potentiometer

1 Remove four cross-headed truss screws (M5 x 12) to remove the cover plate (F).



2 Disconnect one connector, then loosen the Cap bolt (M4 x 12) to remove the control bracket.

3 Remove the nut of the control, then remove the control from the control bracket.



4 Assemble the bank control following the procedure above in reverse order.

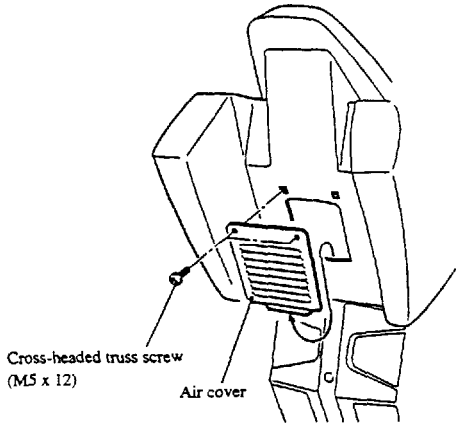
NOTE

- Direct the flat side of the control shaft toward the double point (see the figure above)

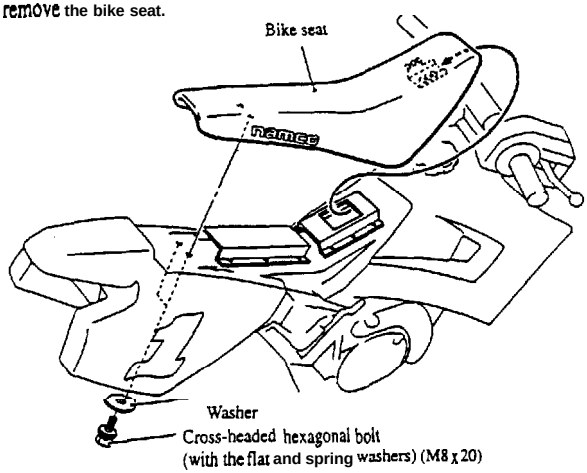
5 After replacing the bank control with a new one, be sure to initialize this unit.

6.2 Replacing the Bike Seat

1 Remove two cross-headed truss screws (MS x 12) to remove the air cover.



2 Remove two cmss-headed hexagonal bolts (equipped with the flat and spring washers) washers to remove the bike seat.

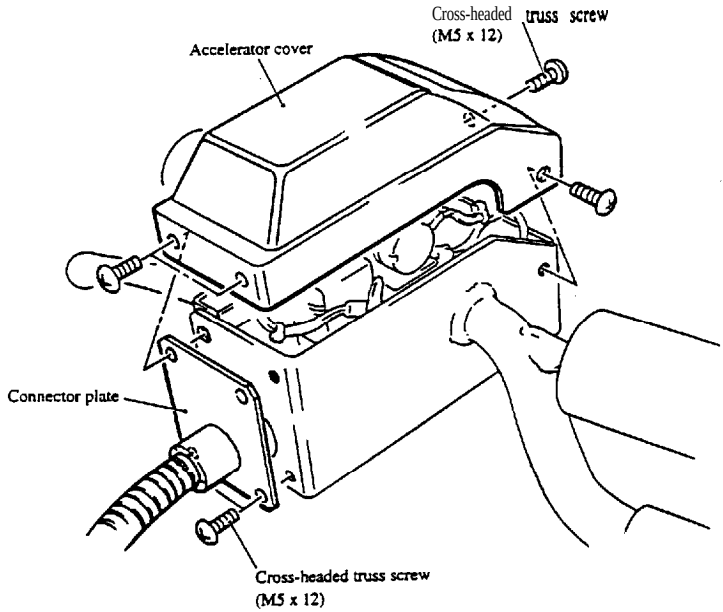


3 Assemble the bike seat following the instructions above in reverse order.

6.3 Removing the Accelerator Cover and Connector Plate

1 Remove four cross-headed truss screws (M5 x 12) to remove the accelerator cover.

2 Remove two cross-headed truss screws (M5 x 12) to remove the connector plate.



3 Assemble the accelerator cover and the connector plate following the procedure above in reverse order.

6.4 Replacing the Accelerator Control Potentiometer

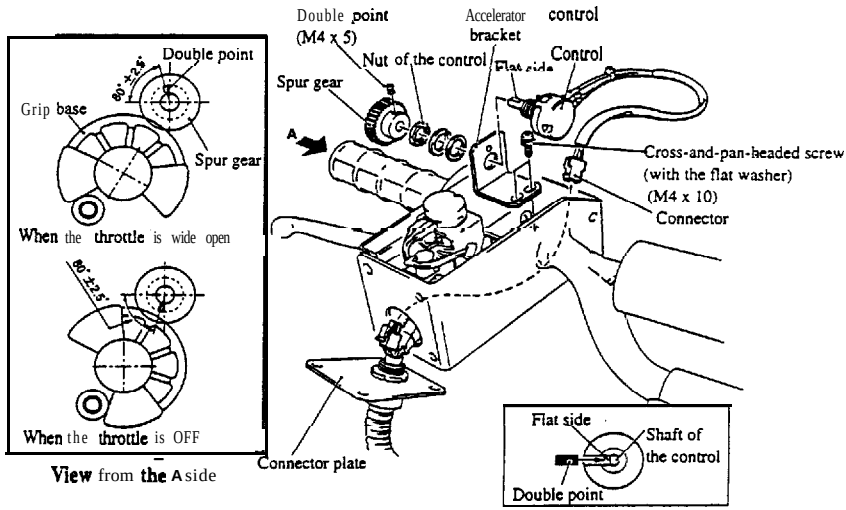
1 Remove the accelerator cover and the connector plate,

2 Remove one connector from the accelerator control.

3 Remove two cross-and-pan-headed screws (equipped with the flat washer) to remove the accelerator control bracket.

4 Loosen ooe double point (M4 x 5), then remove the spur gear.

5 Remove the nut fmm the control, then remove the control from the accelerator control bracket.



6 Assemble the accelerator control following the instructions above in reverse order.

NOTE

- To fix the accelerator control bracket, tighten the screw after checking to see if the gear engages smoothly.
- Direct the flat side of the control shaft toward the double point of the spur gear (see the figure above).
- To engage the grip base and the spur gear, the double point of the spur gear should be positioned at the upper side (vertical) when the throttle is wide open.

7 After replacing the accelerator control with a new one. be sure to initialize this unit.

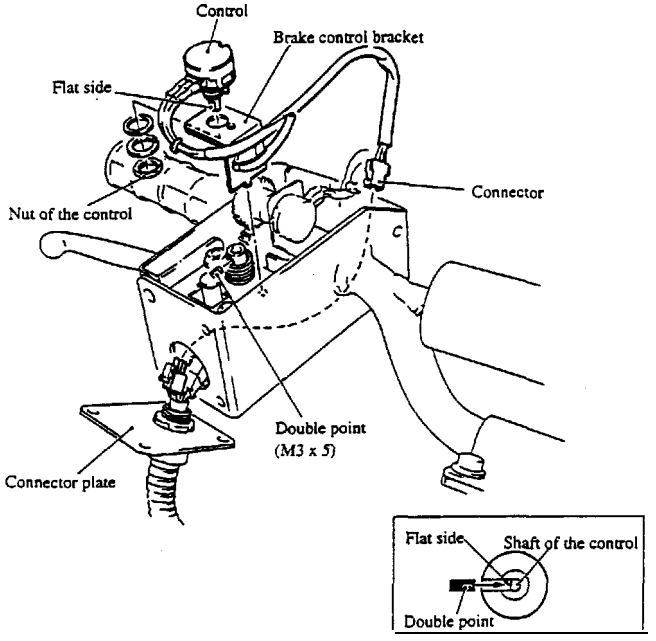
6.5 Replacing the Brake Control Potentiometer

1 Remove the accelerator cover and the connector plate.

2 Disconnect one connector from the brake control.

3 Loosen one double point (M3 x 5). then remove the brake control bracket.

4 Remove the nut from the control IO remove the control from the brake control bracket.



5 Install the brake control following the instructions above in reverse order.

NOTE

- Direct the flat side of the control shaft toward the double point (see the figure above).

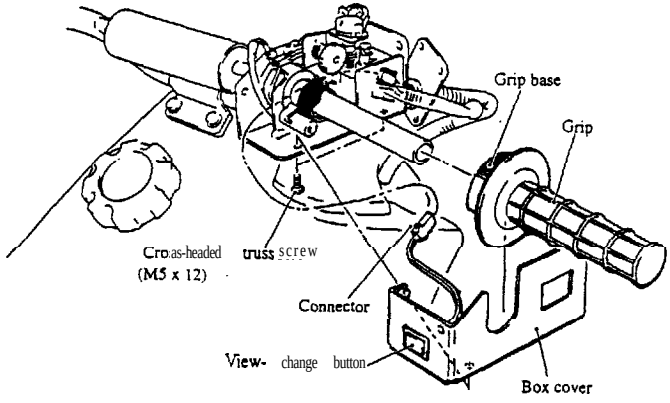
6 After replacing the brake cootml with a new one, be sure to initialize this unit.

6.6 Replacing the View Change Button

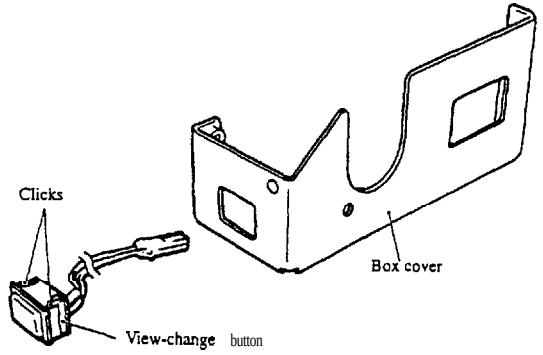
1 Remove the accelerator cover and the connector plate.

2 Disconnect one connector from the view- change button.

3 Remove two cross-headed truss screws (M5 x 12) to remove the box cover. Note that the box cover should be pulled out together with the grip and the grip base.



4 Press four clicks to pull out the view-change button from the box cover

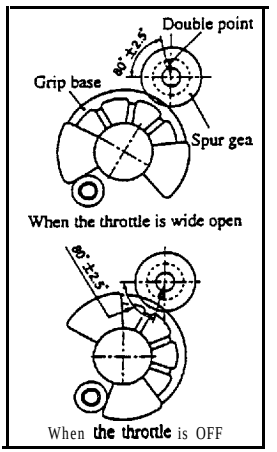


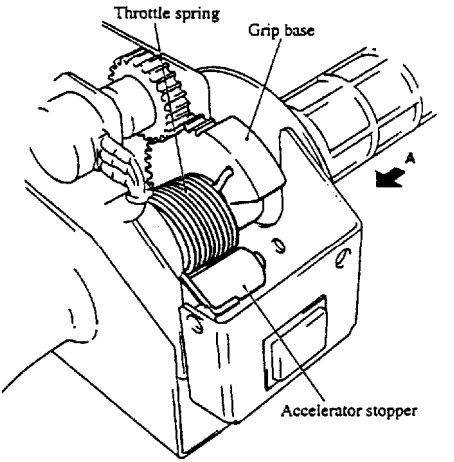
6.6 Replacing the View Change Button (continued)

5 Assemble the view-change button following the instructions above in reverse order.

NOTE

- Securely hook the throttle spring over the grip base and the accelerator stopper.
- To engage the grip base and the spur gear, the double point of the spur gear should be positioned at the upper side (vertically) when the throttle is wide open



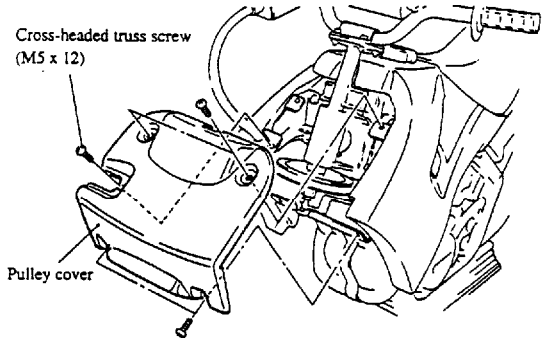


View from the A side

6 After replacing the view-change button with a new one, be sure to initialize this unit.

6.7 Replacing the Handle Control

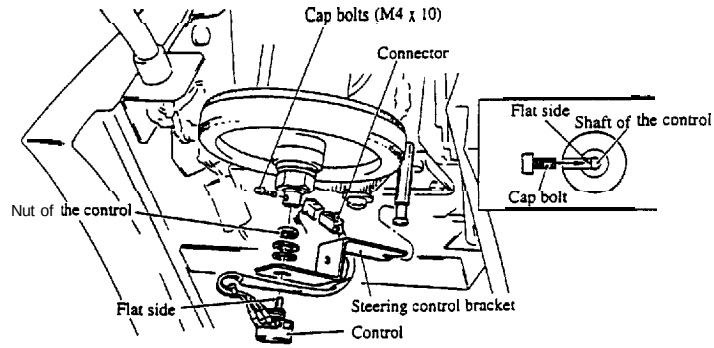
1 Remove five cross-headed truss screws (M5 x 12) to remove+ the pulley cover.



2 Disconnect one connector from the control.

3 Loosen one cap bolt (M4 x 10). then remove the steering control bracket.

4 Remove tbe nut from tbt control to remove the control from the steering control bracket.



5 Assemble the handle control following the instructions above in reverse order.

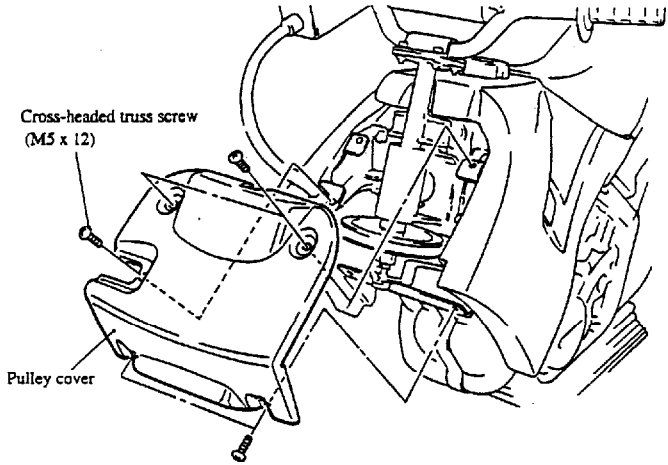
NOTE

. Direct the flat side of the control shaft toward the cap bolt (see the figure above).

6 After replacing the handle control with a new one, be sure to initialize this unit

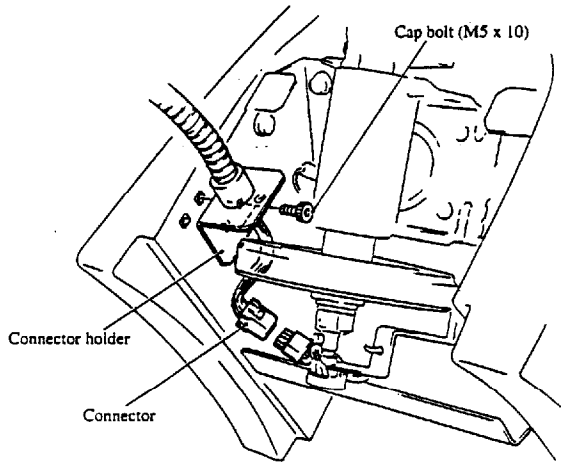
6.8 Removing the Handle Assy

1 Remove five cross-headed truss screws (M5 x 12) to remove the pulley cover.



2 Disconnect one connector from the connector holder.

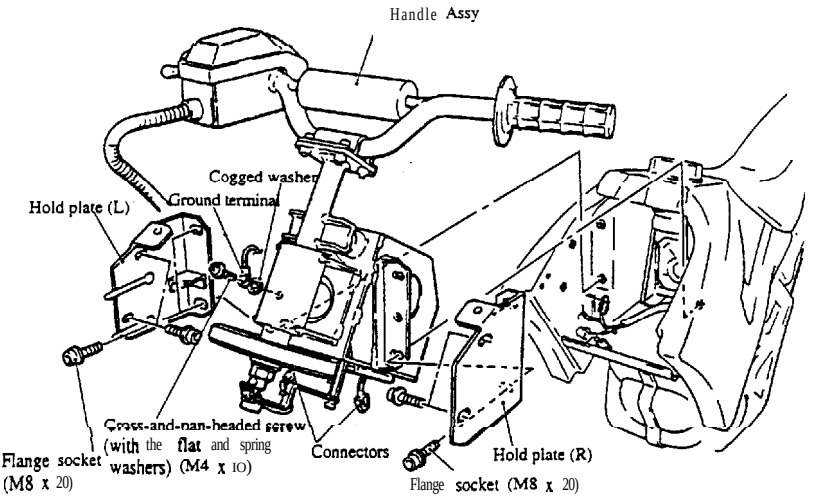
3 Remove two cap bolts (M5 x 10) to remove the connector holder.

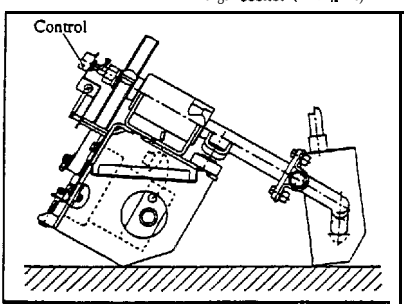


6.8 Removing the Handle Assy (continued)

4 Disconnect the ground terminal and two connectors

5 Remove two sets of four flange sockets (M8 x 20) to remove the hold plates (L) and (R), and the handle Assy.





NOTE

- When you place the removed handle Assy on the flour or like. be sure to place it with the control side up (see the figure above).

6 Assemble the handle Assy following the instructions above in reverse order.

7 After assembling the handle Assy. be sure to initialize this unit.

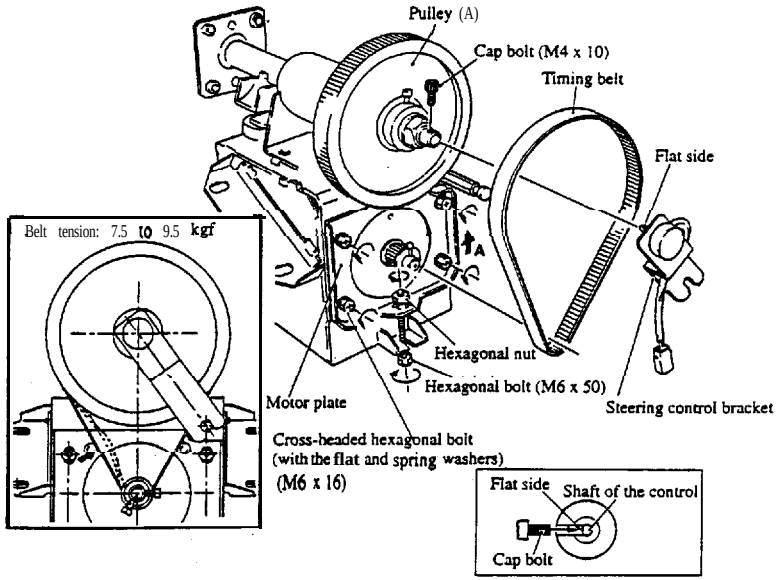
6.9 Replacing the Timing Belt

1 Remove the handle Assy.

2 Loosen one cap bolt (M4 x 10) to remove the steering control bracket.

3 Loosen four cross-headed hexagonal bolts (equipped with the flat and spring washers) (M6 x 16).

4 Loosen one hexagonal nut and one hexagonal bolt (M6 x 50) which fix the motor plate. Slide the motor plate toward the pulley (A) side, then remove the timing belt.



5 Install the timing belt following the instructions above in reverse order.

NOTE

- Direct the flat side of the control shaft toward the cap bolt (see the figure above).
- The belt tension should be from 7.5 to 9.5 kgf. (Adjust the timing belt so that the flexure is 1 .0 to I .5 mm when you push its center with 0.5 kgf, and 2.0 to 1.5 mm when under the weight of 1 .O kgf.)

6 After replacing the timing belt with a new one. be sure to initialize this unit.

6.10 Replacing the Motor

1 Remove the handle Assy.

2 Loosen four cross-headed hexagonal bolts (equipped with the flat and spring washers) (M6 x 16).

3 Loosen one hexagonal nut and one hexagonal bolt (M6 x 50) which fix the motor plate. then slide the motor plate to the pulley (A) side to remove the timing belt from the pulley (B).

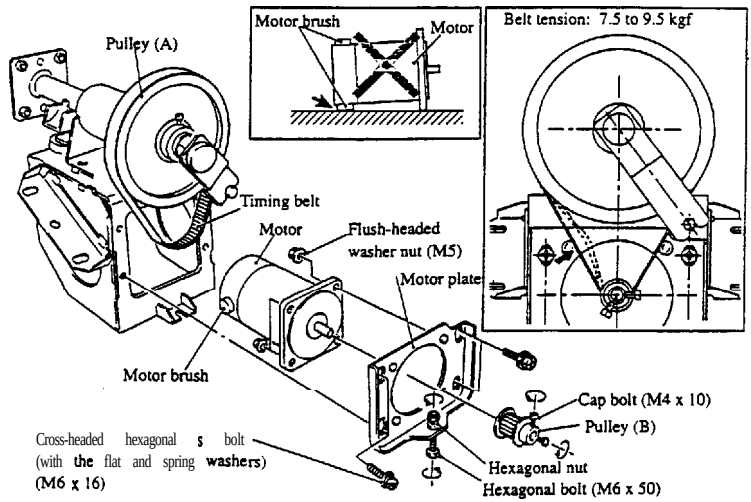
4 Remove four cross-headed hexagonal bolts (equipped with the flat and spring washers) (M6 x 16) to remove the motor together with the motor plate.

5 Remove four flush-headed washer nuts (M5) to remove the motor from the motor place.

NOTE

- When you place the removed motor on the floor or like, do not face the motor brushes (two) down.

6 Loosen two cap bolts (M4 x 10), then remove the pulley (B).



7 Install the motor following the instructions above in reverse order.

NOTE

- The belt tension is 7.5 to 9.5 kgf. (Adjust the timing belt so that it is bent 1.0 to 1.5 mm when you push its center with 0.5 kgf, and that it is bent 2.0 to 2.5 mm under the pressure of 1.0 kgf.)

8 After replacing the motor with a new one. be sure to initialize this unit.

Troubleshooting

Symptom		Possible Cause		Solution
No video or sound.	(1)	No AC power.	(1)	Check main 8 amp AC fuse in cord box. If fuse is blown, install new fuse after having first disconnected the AC connections to the monitor, switching power supplies, fan(s), marquee, and transformers T1 and T2. Add these loads one at a time to isolate the cause of the overcurrent. If fuse is OK, check voltage across line and load sides of EMI filter. Should be 110-125VAC. Verify that all connections in and around cord box are tight.
	(2)	No 5 or 12VDC power.	(2)	On 200W 5V/12V power supply located under component shelf, verify that the AC power cord is fully inserted and that the on/off switch is on. Check the voltage at J4 of the main PCB rack. Pins 3 to 5 (red to blk) should be 4.8 to 5.1VDC. At JP10A (brown connector), the voltage from pins 4 to 3 (orange to blk) should be 11.5 to 12.2 VDC. If either voltage is out of tol., 200W PS could be defective. Note: when bench testing 200W DVE power supply, it must be connected to some load, or the output will appear to float.
	(3)	No 3.3VDC power.	(3)	Check the voltage at JP10A (brown connector on main rack). Pins 1 to 2 (yel to blk) should be 3.3VDC +/-0.1. If out of tolerance, check 3.3VDC PS which is located under top cover of main PCB rack assy.
Video is blank, distorted, scrolling, out of focus, colors/background/text missing.	(1)	Problem with monitor.	(1)	Check AC connector at monitor. Verify voltage is between 110 and 125VAC (pins 1 to 3). With power off, check fuse F101 on monitor chassis PCB (250V 3.15A fast blow). If OK, check the RGB signal input connector JP14. Check the other end (J7 13 pin connector) on the main PCB rack assy. If all OK, using oscilloscope verify presence of analog RGB and sync at J7 pins 1,2,3 and 13 w.r.t. pin 10 (gnd). Check cable to monitor remote adjustment board; check for damage to potentiometers on the board. If all OK, or if fuse blows, swap monitor chassis PCB. Note: if warranty service is required. contact Customer Service through your distributor. Use only replacement parts for W-G model K7400.

Troubleshooting

Symptom		Possible Cause		Solution
Video (cont).	(2)	Main PCB problem.	(2)	Observe the behavior of the system as it goes through self-test upon power-up. The test takes about a minute to complete. Horizontal lines will scroll vertically for a few seconds, followed by CPU, RAM and ROM checks. At each of these stages OK will be displayed as the test is sucessfully completed. Once completed, the attract mode screen will appear. If either during the test a hangup is encountered, or at the end of the test the attract mode screen fails to appear, the main PCB needs to be checked.
No audio. output is too low, or distorted.	(1)	Output level is set too low.	(1)	Individual sneaker output volume can be adiusted in Test mode, SOUND TEST. If output' from cabinet speakers only is still unsatisfactory, check the VOL 1 and VOL 2 pots on the HP AMP PCB. They should be adjusted fullv CW. Verify that jumpers JP1 and JP2 are installed.
	(2)	Defective speakers.	(2)	Using ohmmeter, test for open coil (4 ohms). Bike tank speaker: on main PCB, disconnect 4-pin connector JP1 1 and measure resistance across pins 1 and 2. Cabinet speakers: disconnect 4-pin connector J2 on HP AMP PCB. Left speaker should provide 4 ohms across pins 1&2; right is 4 ohms across pins 3&4. If an open reading is obtained in anv. case. verify continuitv of wirina to speaker. If wiring is OK, replace speaker.
	(3)	Cabinet speakers: loss of signal. power supply failure, or amplifier failure.	(3)	Verify continuitv of wiring from the RCA jacks at J10 on the main PCB to J4 on the HP AMP PCB. Check AC input power to HP AMP PCB. Voltage should be 24VAC across J1 pins 1&3. If a problem. check wiring to 48V CT transformer T1, and primary vs secondary voltage. Primary should be 110VAC. If primary but no secondary voltage, replace transformer. If AC power is OK, and if speakers are OK, check 2A fuses F1&F2 on HP AMP PCB. If blown, this indicates a component failure on the board: Replace PCB.
	(4)	Bike tank speaker: loss of signal, power supply failure. or amplifier failure.	(4)	Check continuitv of wirina Rom the RCA jacks at J9 on the main PCB to the&pin connector JP33 on the top side of the rack. Of the 2 RCA jacks, the one feeding the white wire needs to be installed in the white (left) jack of J9. Verify that 12VDC is present at JP10A pins 4 to 3 (6-pin brn connector at top of main PCB rack. If OK, remove cover from rack and check connections to the AMP PCB If connections and power are good, replace PCB.

Troubleshooting

Symptom.	possible Cause	Solution
Accelerator, lank, brake, steering controls are offset or do not respond.	(1) System not initialized.	(1) Especially after replacement of any component, initialize the system: toggle the service panel Test switch ON. Select BIKE INITIALIZATION from the menu. Follow the on-screen instructions.
	(2) Excitation voltage to potentiometers faulty, or incorrect feedback voltage.	(2) Voltages and feedback to/from the entire bike can be checked at the cabinet/bike interface connectors JP19 and 20. (this will require the removal of the 6 bolts which join the cabinet to the bike). With JP19 and 20 connected, and with power on, check: ❑ Bank/steering pots, supply voltage: ADVcc (JP19-5 wht/red) to GND (JP19-8 wht/blk). ❑ Brake/accel pots supply voltage: ADVcc (JP19-1 wht/red) to GND (JP19-4 wht/blk). • Both readings should be 4.75 to 5.10VDC. If OK, check the pot wiper output (tolerance +/- .2VDC): ❑ Steering (voltage at pin 2, with respect to 8) 2.5V (steering centered) 3.8V (max. right) 0.7V (max. left) o Accelerator (pin 3 with respect to 4) 1.8V (accel off) 4.2V (accel max. on) ❑ Brake (pin 6 with respect to 4) 2.6V (brake off) 0.5V (brake on) o Bank (pin 7 with respect to 8) 2.6V (bike centered) 4.3V (max. right bank) 1 .0V (max. left bank) . If supply voltage to pots is low or OV, disconnect JP19 and measure again on the cabinet side of the plug. If no change. then ASCA-3A PCB assy needs repair. If supply voltage is corrected once the load is removed, or if voltages obtained from the pots are incorrect, proceed with the resistance check of pots/wiring on bike assy.

Troubleshooting

Symptom		Possible Cause		Solution
Accel, steering, braking or bank controls problem continued)	3)	Open pot, open or pinched wire, or short to ground on bike.	(3)	With power off, using an ohmmeter, check the following (bike side of harness at JP19; all readings +/-20%): ❑ ADVcc load (accel, brake) JP19 pins 1 & 4 500 ohms ❑ ADVcc load (steering, bank) JP19 pins 5 & 8 500 ohms o Accel. pot center terminal to ADVcc JP19 pins 3 &1 440 Ω (throttle off), 0 Ω (max. throttle) ❑ Brake pot center terminal to ADVcc JP19 pins 6 & 1 430 Ω (off), 560 Ω (on) o Steering pot center terminal to ADVcc JP19 pins 2 & 5 460 Ω (centered), 260 Ω (max. right), 530 Ω (max. left) ❑ Bank pot center terminal to ADVcc JP19 pins 7 & 5 460 Ω (bike centered), 250 Ω (bank right), 620 Ω (bank left) • If the ADVcc load resistance is around 1 kΩ, either one of the pots or the wiring to it is open. Check each pin to ground: readings should be open. If not, inspect for pinched wire on bike. • Center terminal readings must have the same rotational sense as indicated above. If not, the pot is wired up backwards. • If the readings are ambiguous, fail to change, or fail to repeat as the control axis is rotated, check the pot shaft set-screw. It could be loose. • Recheck in TEST mode, I/O SWITCH test. Verify OK readings can be obtained from controls.
	(4)	Communications error between main PCB and ASCA-3A PCB.	(4)	Check USB cable between main PCB Jll and ASCA-3A PCB J102.
	'5)	Digitizing error.	(5)	Repair ASCA-3A assy.

Troubleshooting

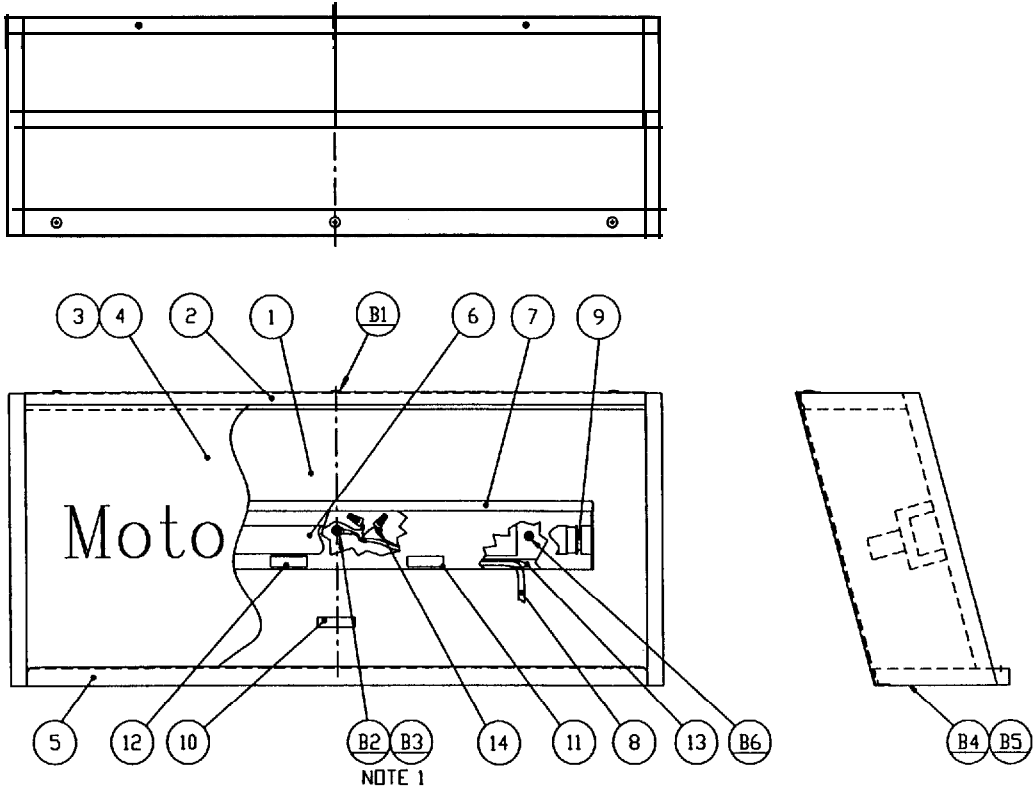
Symptom..		Possible Cause		Solution
Feedback steering does not operate, is sluggish, or only goes one way.	(1)	Feedback motor failure, or open circuit to motor.	(1)	With power off, disconnect connector P9 from AMC PCB. Measure resistance across pins 1 & 2. It should be about 10.6Ω. If open, inspect wiring out to motor *on* bike, including 5Ω 30W resistor which is in series with the motor windings. If still open, replace motor. Check resistance between motor wires and frame ground. If shorted, replace motor.
	(2)	Drive belt loose or broken.	(2)	Check drive belt inside the bike handle assy.
	(3)	No power to drive board. or board failure.	(3)	With power on, verify the DC voltage at the AMC PCB J3. Pins 3 to 8 should read 5VDC; pins 4 to 8 is 12VDC. If not, check wiring to 200W power supply. With power on, check AC voltage at AMC PCB J8. Should be 24VAC between pins 1 & 3. If not, check 5 A fuse. If blown, AMC PCB or motor needs repair.
Units will not link.	(1)	PCB ID number incorrectly set.	(1)	See description under TEST mode, GAME OPTIONS. If correct but problem persists, try renumbering games from'right to left.
	(2)	Loose or damaged link cable.	(2)	If LINK NG is displayed in TEST mode, check continuity of link cables from J3 on main PCB. through the Transit PCB (mounted on cord box), and to the adjacent game. If problem persists, possible causes are Main PCB, Power PCB. Transit PCB, or cable problem.
Monitor Screen Data not visible around edges.	(1)	VERT or HORZ position or VERT size out of adjustment.	(1)	Adjust. (Monitor remote adjustment PCB).
Monitor colors are incorrect.	(1)	RGB outputs are faulty.	(1)	Ref. Monitor Vendor Service Manual. Change monitor board.
	(2)	RGB inputs are faulty	(2)	Main PCB needs repair.
	(3)	Screen needs degaussing.	(3)	Use degaussing coil.
Jnusual or ntermittent video.	(1)	Unstable power supply.	(1)	Measure power supply input to PCB 6-pin connector. Pin 3 should be 5V +.2/-0 with respectt to pin 5.
	(2)	Intermittent connection in PCB rack.	(2)	Remove cover and reseat cards. If problem persists, return to Namco for repair. WARNING: DO NOT SEPARATE BOARD SETS.
	(3)	PCB assembly is overheating.	(3)	Check fan operation.

ILLUSTRATIONS AND PARTS LISTS

ASSY, OVERALL, MX01 -07073-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX05-07074-00	ASSY, FRONT	1	
2	MX05-07075-00	ASSY, RIDE	1	
B1	VG20-05658-20	SCREW, SKT HD, M8 X 20, BO	2	(Ride to Front) X 6
B2	VG20-05658-35	SCREW, SKT HD, M8 X 35, BO	4	(Ride to Front) X 6
B3	VG20-05522-09	WASHER, FLAT, M8, BO	6	(Ride to Front) X 6
B4	VG20-05523-09	WASHER, SPLIT LK, M8, BO	6	(Ride to Front) X 6

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-03-97	PRODUCTION RELEASE		



NOTE:

1) INSERT GROUND TERMINAL BETWEEN B2 & B3.

NLTD # 24741500

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

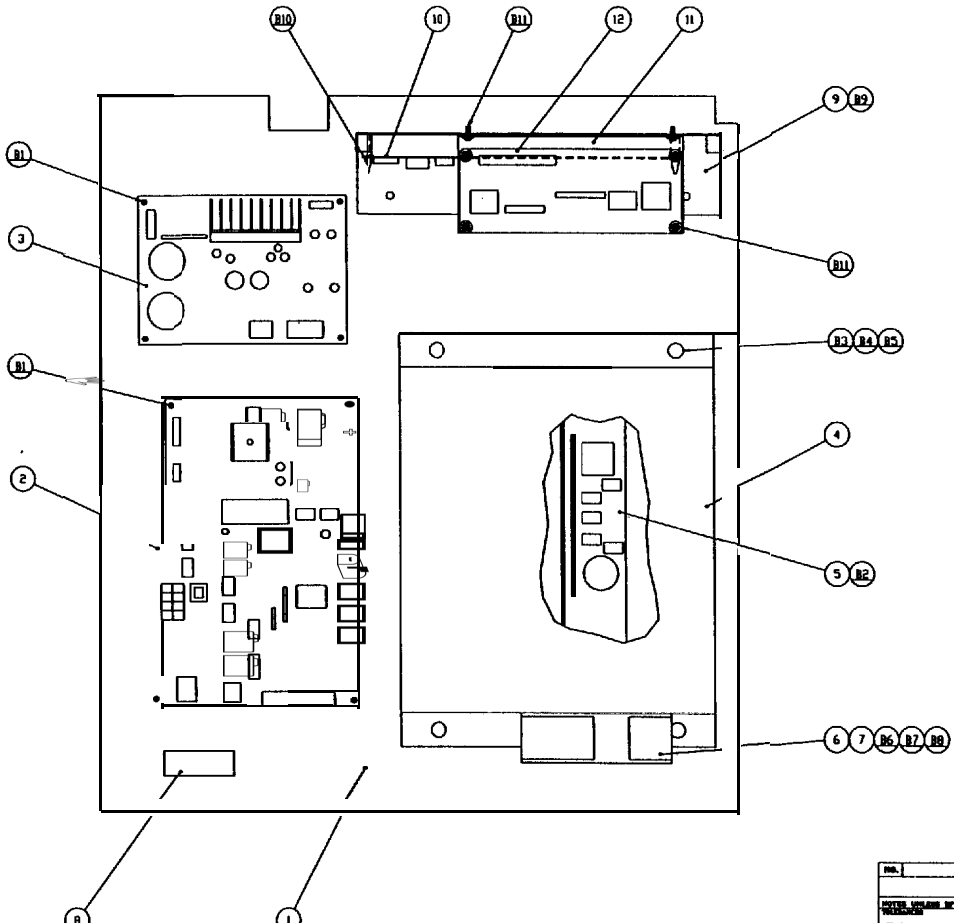
BILL OF MATERIAL

DRAWN	tk...	11-1-97	namco 150 Charcot Avenue San Jose, California 95131
DESIGN			
MATERIAL	-		TITLE: ASSY, MARQUEE
FINISH	-		
CHECKED AND APPROVED			SIZE C DWG NO. MX05-07080-00 REV A
USED ON: MOTOCROSS-GO! STD			SCALE: NONE WEIGHT: SHEET 1 OF 1

ASSY, BASE, BIKE, **MX05-07113-00**

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX10-07115-00	BASE, RIDE	1	
2	MX10-07116-00	SHAFT, ROLLING	1	
3	MX10-07117-00	BOX, COVER (L)	1	
4	MX10-07117-01	BOX, COVER (R)	1	
5	MX10-07118-00	PLATE, COVER (F)	1	
6	MX10-07119-00	PLATE, COVER (B)	1	
7	MX10-07120-00	BRACKET, ROSTA	1	
8	AJ91-05932-00	STRIP,ANTI-SKID,ABRASIVE - 6 X 24	2	
9	AJ91-05932-01	STRIP,ANTI-SKID,ABRASIVE - 3/4 X 24	2	
14	MX10-07124-00	BRACKET, VOLUME	1	
16	MX96-07170-00	RUBBER, STOPPER	2	
17	MX12-07126-00	BASE, STOPPER	1	
20	MX10-07127-00	WASHER (A)	1	
21	MX10-07128-00	WASHER (B)	1	
24	VG24-07268-00	CASTERS, 2 1/2" SWIVEL	5	
25	VG20-05344-12	LEVELERS, 3/4-10 X 3	4	
26	VG59-07293-00	BEARING, PILLOW BLOCK	2	UCP206(FYH)
27	AS96-05226-00	ROSTA, DR-S38 X 80	1	
28	VG17-04163-00	GREASE	A/R	
29	VG17-05167-00	LOCTITE	A/R	Locktite 242
30	VG75-05464-00	**POTENTIOMETER, 1K, 40 DEGREES**	1	EWSV7BF20E13
31	MX10-07129-00	PLATE, LOCK	2	Shipping Brkts
B1	VG20-03181-10	SCREW, PAN HD, PHIL, M4 X 10, SZ	2	Gnd x 2
B2	VG20-05256-12	SCREW, SKT HD, M4 X 12, BO	6	Vol x1,Tie x1,(16)x4
B3	VG20-05520-06	WASHER, FLAT, M4, SZ	5	Tie x1,(16)x4
B4	VG20-04973-12	SCREW, TRUSS HD, PHIL, M5 X 12, BO	14	(3)x3,(4)x3,(5)x4,(6)x4
B5	VG20-05360-16	BOLT, HEX HD, M6 X 16, SZ	20	(24)x20
B6	VG20-05521-08	WASHER, SPLIT LK, M6, SZ	20	(24)x20
B7	VG20-05520-08	WASHER, FLAT, M6, SZ	20	(24)x20
B8	VG20-05253-16	BOLT, HEX HD, M8 X 16, SZ	4	(7)x4
B9	VG20-05521-09	WASHER, SPLIT LK, M8, SZ	4	(7)x4
B10	VG20-05520-09	WASHER, FLAT, M8, SZ	4	(7)x4
B11	VG20-05253-25	BOLT, HEX HD, M8 X 25, SZ	4	(17)x4
B12	VG20-05521-09	WASHER, SPLIT LK, M8, SZ	5	(17)x4,(21)x1
B13	VG20-05520-09	WASHER, FLAT, M8, SZ	5	(17)x4,(21)x1
B14	VG20-05346-40	BOLT, HEX HD, M14 X 40, SZ	4	(26)x4
B15	VG20-05658-20	SCREW, SKT HD, M8 X 20, BO	2	(31)X2
B16	VG20-05524-06	WASHER, LOCK, STAR, INT, M4, SZ	2	GND X 2
B17	VG20-05520-12	WASHER, FLAT, M14, SZ	4	(26)X4
B18	VG20-05521-12	WASHER, SPLIT LK, M14, SZ	4	(26)X4
B19	VG20-05523-09	WASHER, SPLIT LK, M8, BO	2	(31)X2
B20	VG20-05522-09	WASHER, FLAT, M8, BO	2	(31)X2
B21	VG20-05253-20	BOLT, HEX HD, M8 X 20, SZ	1	(21)X1

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-06-97	PRODUCTION RELEASE	T.K..	



NO.	DESCRIPTION	NAM PART NUMBER	MLTD PART NUMBER	QTY

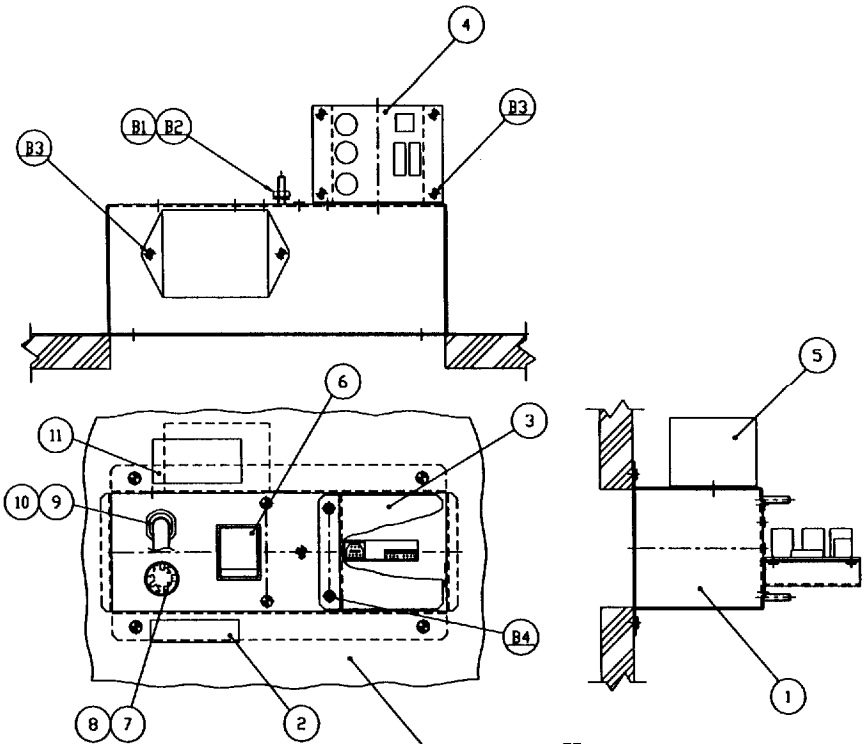
BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES .XX +/- .02 ANGULAR .XXX +/- .005 ° DIMENSIONS APPLY AFTER PLATING DO NOT SCALE	DRAWN T.K... 11-06-97	namco 150 Charcot Avenue San Jose, California 95131	
	DESIGN		
	MATERIAL –	TITLE ASSY, COMPONENT SHELF	
	FINISH –		
USED ON MOTORCROSS-GOI	CHECKED AND APPROVED	SIZE C DWG NO. MX05-07079-00	REV. A
NEXT ASSY		FILE NAME	SHEET 1 OF 1

ASSY, MARQUEE, **MX05-07080-00**

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX10-07107-00	BOX, MARQUEE	1	
2	MX10-07108-00	BRACKET, ACRYLIC, TOP	1	
3	MX95-07066-00	ACRYLIC, MARQUEE	1	
4	MX40-07121-00	STYRENE, HEADER - MARQUEE	1	
5	MX10-07278-00	BRACKET, ACRYLIC, BOTTOM	1	
6	VG57-02028-00	LAMP, FLUORESCENT, 24"	1	
7	VG57-02025-00	FIXTURE, FLUORESCENT, 24"	1	
8	MX50-07203-00	HARNESS, TO MARQUEE LIGHT	1	
9	GT57-02219-00	LOCK, FLUORESCENT	2	
10	VG44-02642-00	LABEL, SERVICE PERSONNEL ONLY	1	
11	VG44-03850-00	LABEL, LAMP REPLACEMENT	1	
12	VG44-02644-06	LABEL, VALUE, 115V, 20W	1	
13	VG95-02117-00	GROMMET, RICHCO HOLE # HG-14	1	
14	GT67-02342-00	CONNECTOR, WIRE NUT, 16-22 AWG	2	
B1	VG20-06308-20	SCREW, BTTN HD, TMP PRF, M5 X 20, BO	3	(2)X3
B2	VG20-05529-06	NUT, FLANGE, SERRATED, M4, SZ	1	GROUNDX1
B3	VG20-05524-06	WASHER, LOCK, STAR, INTERNAL, M4, SZ	1	GROUNDX1
B5	VG20-05519-07	NUT, HEX, M5, SZ	2	(5)X2
B6	VG20-02906-10	SCREW, PAN HD, PHIL #8 X 5/8 BO	2	FLUORESCENT X 2
B7	VG20-05520-07	WASHER, FLAT, M5, SZ	2	(5)X2

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-03-97	PRODUCTION RELEASE		



NLTD # 24741300

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

BILL OF MATERIAL

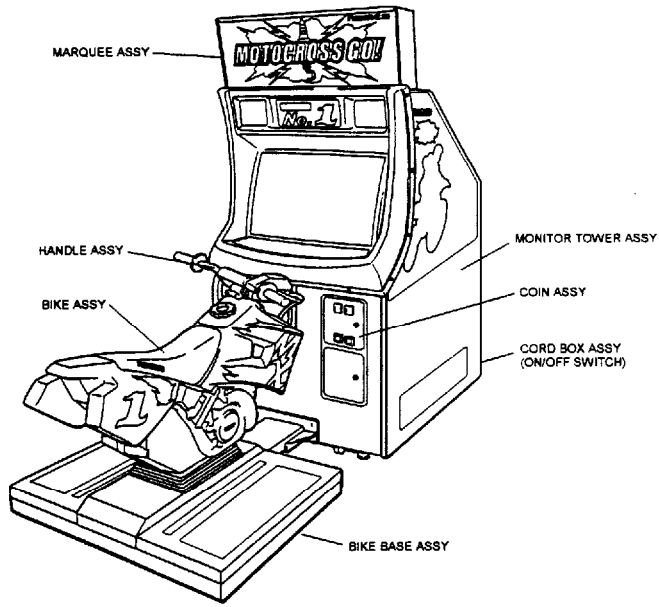
NOTES UNLESS SPECIFIED TOLERANCES .XX+/-0.03 ANGULAR .XXX+/-0.010 +/- 1° DIMENSIONS APPLY AFTER FINISH. DO NOT SCALE	DRAWN T.K... 11-03-97 DESIGN MATERIAL – FINISH – CHECKED AND APPROVED	namco 150 Charcot Avenue San Jose, California 95131 TITLE ASSY. CORD BOX SIZE B · DWG NO. MX05-07078-00 · REV. A SCALE NONE · FILE NAME 07078-00 · SHEET 1 OF 1
USED ON MOTOCROSS GO! STD		

2.0 INTRODUCTION

2.1 Game Description

Motocross Go! SD is a motorcycle racing game, linkable by up to 4 players, offering competition on either a one-way (going/coming) undulating course or a round course for two or more players.

Turning is accomplished by leaning the bike left or right. The handlebar is used to make a small adjustment to the bike's direction and to provide counter steering. Accelerator and brake controls are provided on the handle assy.



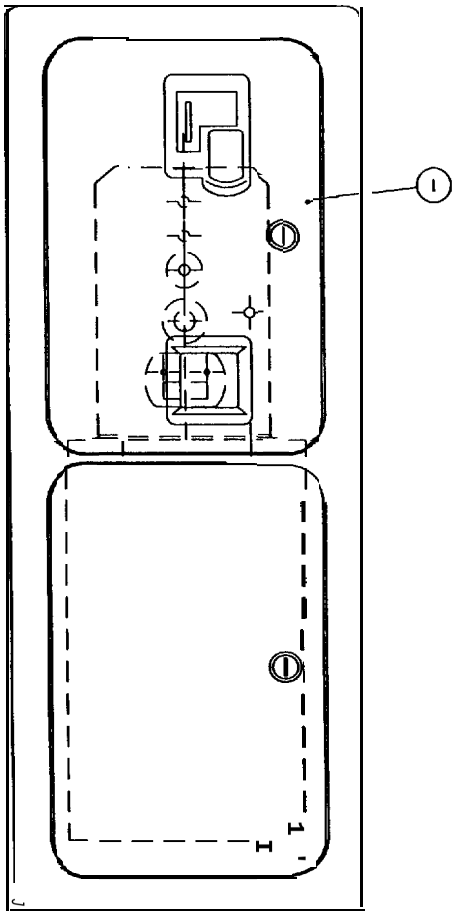
2.2 Game Rules

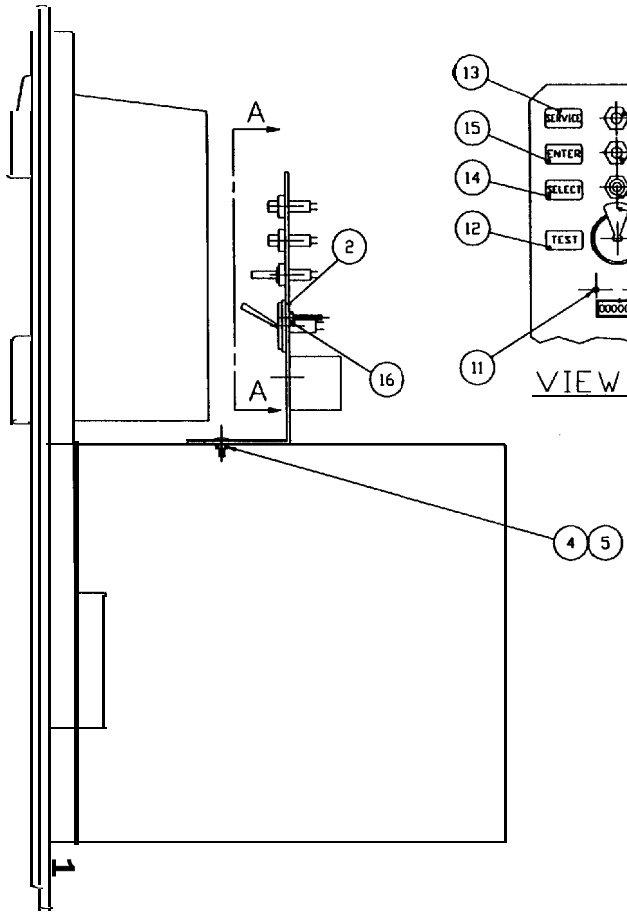
- The player needs to reach the goal as fast as possible within the time limit.
- Players choose from three courses and select either of two bikes. In Communication (linked) mode, the course is decided by a majority of players.
- The game continues until the time runs out. In linked mode, if one of the players participating in the same race passes the check point, time is extended.

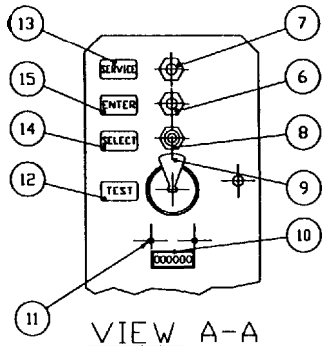
ASSY, COMPONENT SHELF, MX05-07079-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX63-07270-00	COMPONENT SHELF, WOOD	1	
	VG10-03811-00	BRACKET, GROUND LUG U.L.		
	VG20-02906-10	SCREW, PAN HD, PHIL #8 X 5/8 BO		
2	MX03-07207-00	**AMC PCB**	1	
B1	VG20-05297-00	STAND-OFF, PCB, BLIND HOLE, 7/8 HIGH	4	RICHCO BHC-14-01
3	MX03-06811-00	**HP AMP PCB**	1	
B1	VG20-05297-00	STAND-OFF, PCB, BLIND HOLE, 7/8 HIGH	4	RICHCO BHC-14-01
4	MX05-07081-00	**ASSY, PCB, V183, GAME**	1	
		ASSY, PCB, MAIN (SYS23)	1	
		ASSY, PCB, V183 MEM(F2R) (SYS23)	1	
		ASSY, PCB, V183 MSPM(FR)	1	
		ASSY, PCB, POWER (SYS23)	1	
		ASSY, PCB, AMP(2)	1	
5	VG88-06866-00	***POWER SUPPLY, SWITCHING 3.3V***	1	
B2	VG20-03180-08	SCREW, PAN HD, PHIL, M3 X 8, SZ		
	VG20-05360-25	BOLT, HEX HD, M6 X 25, SZ		
	VG20-05521-08	WASHER, SPLIT LK, M6, SZ		
	VG20-05520-08	WASHER, FLAT, M6, SZ		
B3	VG20-03530-25	BOLT, HEX HD, M5 X 25, SZ	4	Rack S23 Assy x 4
B4	VG20-05521-07	WASHER, SPLIT LK, M5, SZ	4	Rack S23 Assy x 4
B5	VG20-05520-07	WASHER, FLAT, M5, SZ	4	Rack S23 Assy x 4
6	VG55-07346-00	FAN, AXIAL, 4"	1	Sunon SP101A
7	GT55-02248-00	FAN GUARD #SC020-W4	1	
B6	VG20-03181-50	SCREW, PAN HD, PHIL, M4 X 50, SZ	4	
B7	VG20-05521-06	WASHER, SPLIT LK, M4, SZ	4	
B8	VG20-05520-06	WASHER, FLAT, M4, SZ	4	
8	VG44-03851-00	LABEL, FUSE REPLACEMENT	1	
9	MX10-07094-00	BRACKET, I/O	1	
B9	VG20-02906-10	SCREW, PAN HD, PHIL #8 X 5/8 BO	2	
10	MX03-07206-00	**ASSY, ASCA-3A PCB**	1	
B10	VG20-06887-00	STAND-OFF, PCB, 3/4 HIGH	4	RICHCO LCBS-12N
11	MX10-07098-00	PLATE, I/O	1	
B11	VG20-03181-10	SCREW, PAN HD, PHIL, M4 X 10, SZ	2	
12	MX03-06810-00	**ASSY, ASCA-1B PCB**	1	
B11	VG20-03181-10	SCREW, PAN HD, PHIL, M4 X 10, SZ	4	
	MX50-07179-00	HARNESS, ASCA-1B/HANDLE BAR ASSY	1	
	MX50-07184-00	HARNESS, HP AMP PCB TO MAIN PCB	1	
	MX50-07186-00	HARNESS, ASCA PCB TO COIN & SERVICE PANEL	1	
	MX50-07189-00	HARNESS, HP AMP PCB/MARQUEE SPEAKER	1	
	MX50-07191-00	HARNESS, ASCA-B PCB TO AMC PCB	1	
	MX50-07192-00	HARNESS, D.C POWER TO MAIN PCB	1	
	MX50-07193-00	HARNESS, D.C POWER TO MAIN & AMC PCB	1	
	MX50-07194-00	HARNESS, SPEAKERS &FDBK STEERING WHEEL	1	
	MX50-07197-00	HARNESS, 24V TO AMC PCB	1	
	MX50-07198-00	HARNESS, 24V TO HP AMP PCB	1	
	MX50-07204-00	HARNESS, AC INPUT 3.3V POWER SUPPLY EXT 1	1	
	MX50-07286-00	HARNESS, AUDIO BIKE INPUT EXT 1	1	
	MX50-07287-00	HARNESS, AUDIO BIKE INPUT EXT 2	1	
	MX50-07288-00	HARNESS, AUDIO BIKE OUTPUT EXT 1	1	
	MX50-07290-00	HARNESS, 3.3V OUTPUT	1	

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-04-97	PRODUCTION RELEASE		







VIEW A-A

NO.	DESCRIPTION	NAI PART NUMBER	NLTS PART NUMBER	QTY
	BILL OF MATERIAL			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DO NOT SCALE

DRAWN T.K... 11-04-97
DESIGN
MATERIAL -
FINISH -
CHECKED AND APPROVED

namco 150 Charcot Avenue San Jose, California 95131

TITLE ASSY, COIN

SIZE C | DWG NO. MX05-07077-00 | REV A

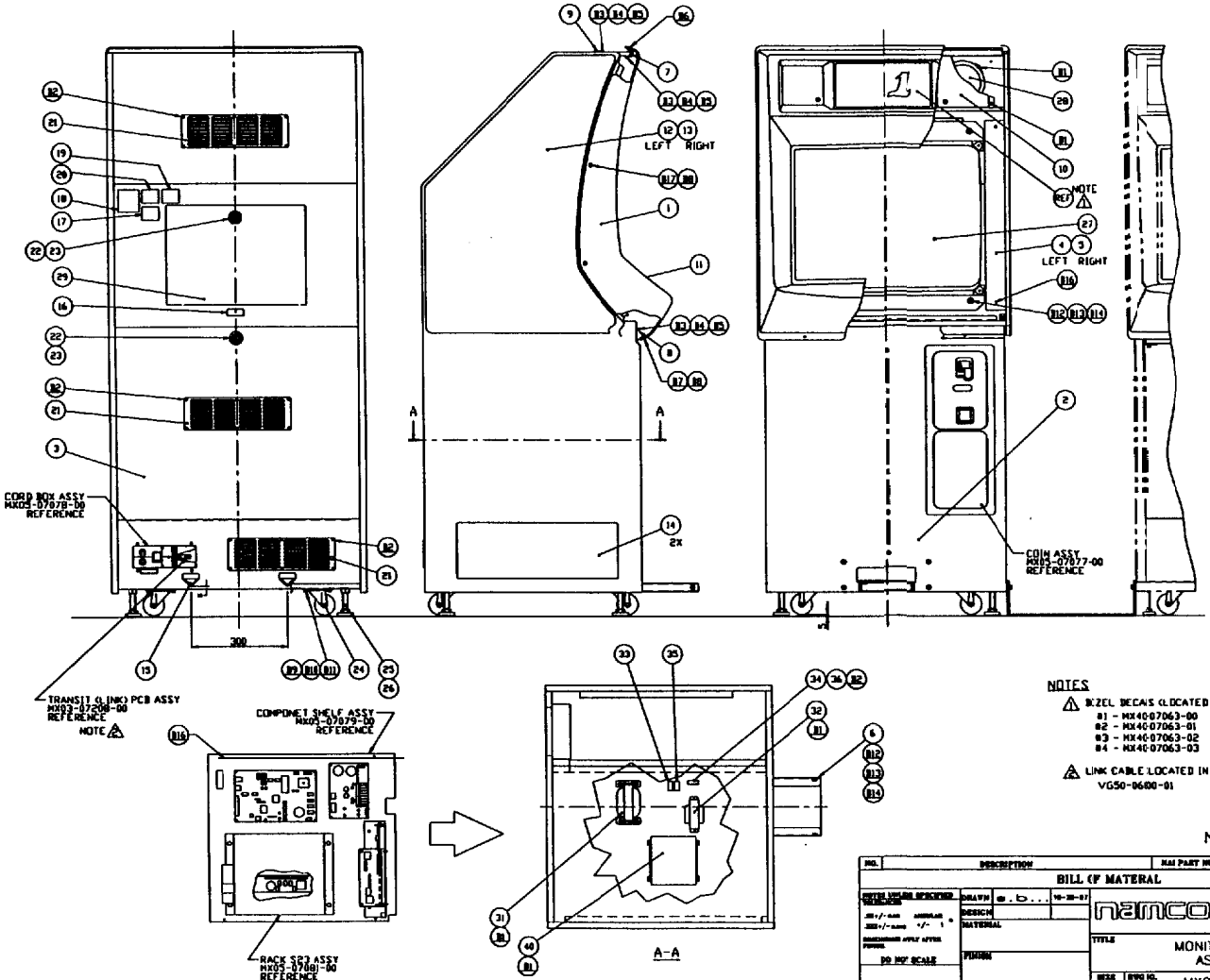
FILE NAME

USED ON MOTOCROSS-GO!

ASSY, CORD BOX, MX05-07078-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX10-07103-00	CORD BOX	1	
2	VG44-02644-19	LABEL,8A,250V,SLO-BLOW	1	
3	MX10-07104-00	COVER, CORD	1	
4	MX03-07208-00	ASSY, TRANSIT PCB	1	
5	VG78-02977-00	FILTER, EMI, 10A	1	
6	VG53-04683-00	SWITCH, ROCKER, DPST	1	
7	VG52-03985-00	FUSE-HOLDER, PANEL, MOUNT	1	
8	VG52-03584-11	FUSE, 8 AMP, SLOW BLOW	1	
9	VG95-05819-00	BUSHING, STRAIN RELIEF	1	
10	VG50-06600-00	POWER CORD	1	
11	VG44-03851-00	LABEL, FUSE REPLACEMENT	1	
12	MX50-07199-00	HARNESS, POWER PLATE	1	
13	MX50-07200-00	HARNESS, FROM EMI FILTER	1	
B1	VG20-05524-06	WASHER, LOCK, STAR, INTERNAL, M4, SZ	2	GNDX2
B2	VG20-05529-06	NUT, FLANGE, SERRATED, M4, SZ	2	GNDX2
B3	VG20-03180-10	SCREW, PAN HD, PHIL, M3 X 10, SZ	6	PCBX4, EMIX2
B4	VG20-03181-10	SCREW, PAN HD, PHIL, M4 X 10, SZ	2	CORD COVER X 2

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		10-20-97	PRODUCTION RELEASE		
B		12-8-97	UPDATED PER ECO	[illegible]	



NOTES

⚠ BEZEL DECALS (LOCATED IN CONVENIENCE KIT)
- #1 - MX40-07063-00
- #2 - MX40-07063-01
- #3 - MX40-07063-02
- #4 - MX40-07063-03

⚠ LINK CABLE LOCATED IN CONVENIENCE KIT)
VG50-0600-01

NLTD # 24741100

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

BILL OF MATERIAL

DRAWN	[illegible]	10-20-97	namco 150 Charcot Avenue San Jose, California 95131
DESIGN			
MATERIAL			TITLE: MONITOR TOWER ASSEMBLY
FINISH			SIZE: C — DWG NO.: MX05-07076-00 — REV: B
CHECKED AND APPROVED			SCALE: NONE — FILE NAME: 07076-00 — SHEET 1 OF 1

DO NOT SCALE

USED ON: MOTOCROSS-GO! STD

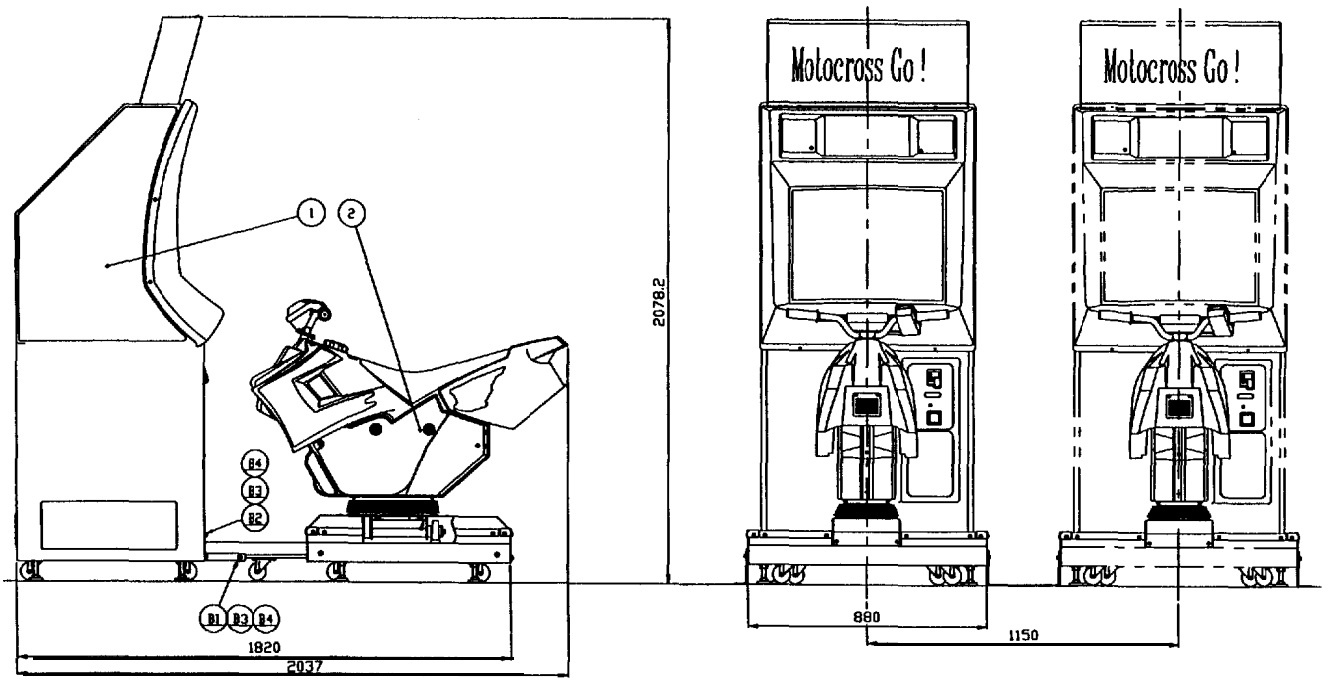
ASSY, MONITOR TOWER, MX05-07076-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
	MX50-07364-00	HARNESS, 3.3V DC OUTPUT EXT	1	
B1	VG20-02906-10	SCREW, PAN HD, PHIL #8 X 5/8 BO	24	(10)x8,(28)x8,(31)x4,(32)x4
B2	VG20-02905-08	SCREW, PAN HD, PHIL, #6 X 1/2, BO	19	(21) x 18, (36) x 1
B3	VG20-03182-25	SCREW, PAN HD, PHIL, M5 X 25, SZ	10	(7) x 3, (8) x 3, (9) x 4
B4	VG20-05521-07	WASHER, SPLIT LK, M5, SZ	10	(7) x 3, (8) x 3, (9) x 4
B5	VG20-05520-07	WASHER, FLAT, M5, SZ	10	(7) x 3, (8) x 3, (9) x 4
B6	VG20-06308-35	SCREW, BTTN HD, TMP PRF, M5 X 35, BO		
B17	VG20-06308-25	SCREW, BTTN HD, TMP PRF, M5 X 25, BO	8	(1) x 8
B7	VG20-06308-12	SCREW, BTTN HD, TMP PRF, M5 X 12, BO	4	(1) x 4
B8	VG20-05522-07	WASHER, FLAT, M5, BO	16	(1) x 12, (29) x 4
B9	VG20-05360-25	BOLT, HEX HD, M6 X 25, SZ	32	(24) x 16, (25) x 16
B10	VG20-05521-08	WASHER, SPLIT LK, M6, SZ	32	(24) x 16, (25) x 16
B11	VG20-05520-08	WASHER, FLAT, M6, SZ	32	(24) x 16, (25) x 16
B12	VG20-05253-25	BOLT, HEX HD, M8 X 25, SZ	8	(27) x 4, (6) x 4
B13	VG20-05521-09	WASHER, SPLIT LK, M8, SZ	8	(27) x 4, (6) x 4
B14	VG20-05520-09	WASHER, FLAT, M8, SZ	8	(27) x 4, (6) x 4
B15	VG20-05524-06	WASHER, LOCK, STAR, INTERNAL, M4, SZ	1	Ground x 1
B16	VG20-04713-20	SCREW,LPW #8 X 1 1/4 BO	8	(4)x2,(5)x2,(Comp Shelf)x4

ASSY, COIN, MX05-07077-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	VG83-04449-00	COIN DOOR, O/U BLK W/HARNESS	1	
2	VG10-06919-00	SERVICE PANEL, ONE PLAYER	1	
3	MX50-07188-00	HARNESS, TO SERVICE PANEL	1	
4	VG20-02896-06	SCREW, PAN HD, #8-32X3/8, ZINC	2	
5	VG20-02700-04	NUT, KEP, #8-32, SZ	2	
6	GT53-02052-01	SWITCH MOMENTARY, "ENTER", BLACK	1	
7	GT53-02052-00	SWITCH MOMENTARY, "SERVICE", RED	1	
8	VG53-06867-00	SWITCH, MINI-TOGGLE, "SELECT", ON-OFF-ON	1	
9	GT53-00756-00	SWITCH, TOGGLE, "TEST"	1	
10	VG83-02094-00	COIN METER, 12V	1	HAPP 42-1066-00
11	VG20-02894-04	SCREW, PAN HD, #4-40X1/4, SZ	2	
12	VG44-02702-00	LABEL,SERVICE PANEL,"TEST"	1	
13	VG44-02702-01	LABEL,SERVICE PANEL, "SERVICE"	1	
14	VG44-02702-07	LABEL, SERVICE PANEL "SELECT"	1	
15	VG44-02702-11	LABEL, SERVICE PANEL "ENTER"	1	
16	VG20-02700-05	NUT, KEP, #10-24, SZ	1	

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-03-97	PRODUCTION RELEASE	T.K.	



NL TD # 24740000

NO.	DESCRIPTION	NAI PART NUMBER	NLTB PART NUMBER	QTY

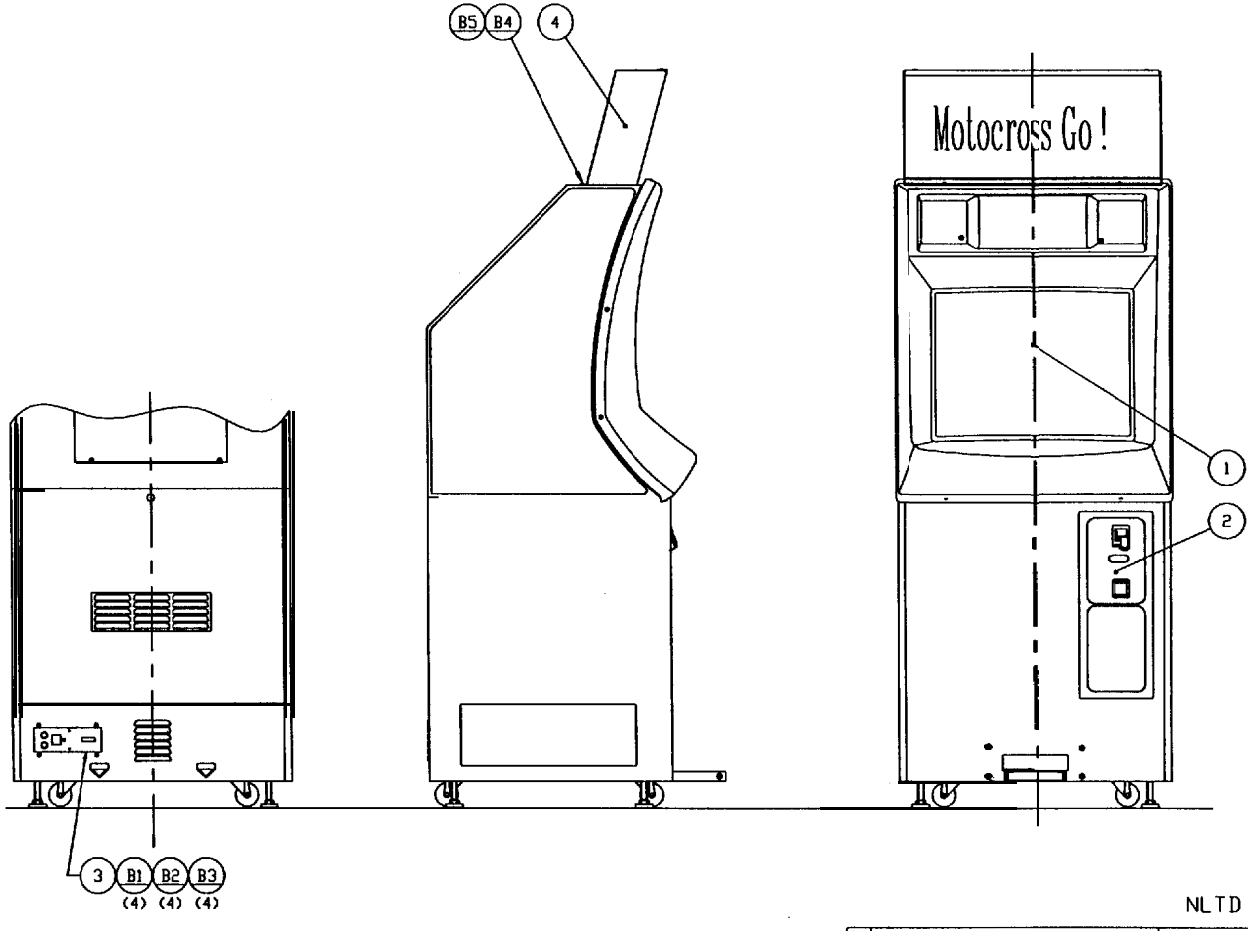
BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	DRAWN T.K.	10-31-97	namco 150 Charcot Avenue San Jose, California 95131
.XX +/- 0.25 ANGULAR .XXX +/- 0.127 +/- 1°	DESIGN		
MACHINED SURFACE FINISH 1.6 DO NOT SCALE	MATERIAL -		TITLE ASSY, OVERALL
	FINISH -		SIZE C DWG NO. MX01-07073-00 REV. A
USED ON MOTOCROSS-GO! GTO	CHECKED AND APPROVED		FILE NAME

ASSY, FRONT, MX05-07074-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX05-07076-00	ASSY, TOWER, MONITOR	1	
2	MX05-07077-00	ASSY, COIN	1	
3	MX05-07078-00	ASSY, BOX, CORD	1	
4	MX05-07080-00	ASSY, MARQUEE	1	
B1	VG20-03182-25	SCREW, PAN HD, PHIL M5 X 25, SZ	4	Cord box Assy x 4
B2	VG20-05521-07	WASHER, SPLIT LK, M5, SZ	4	Cord box Assy x 4
B3	VG20-05520-07	WASHER, FLAT, M5, SZ	4	Cord box Assy x 4
B4	VG20-03183-40	SCREW, PAN HD, PHIL, M6 X 40, SZ	2	In Conveniece Kit
B5	VG20-05520-08	WASHER, FLAT, M6, SZ	2	In Conveniece Kit

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		10-24-97	PRODUCTION RELEASE		



NLTD # 24741000

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED TOLERANCES
.XX +/- .010 ANGULAR .XXX +/- .005 +/- 1°
DIMENSIONS APPLY AFTER FINISH.
DO NOT SCALE

DRAWN 10-10-97
DESIGN
MATERIAL
FINISH
CHECKED AND APPROVED

USED ON
MOTOCROSS-GO!
STD

namco 150 Charcot Avenue San Jose, California 95131

TITLE
ASSEMBLY, FRONT

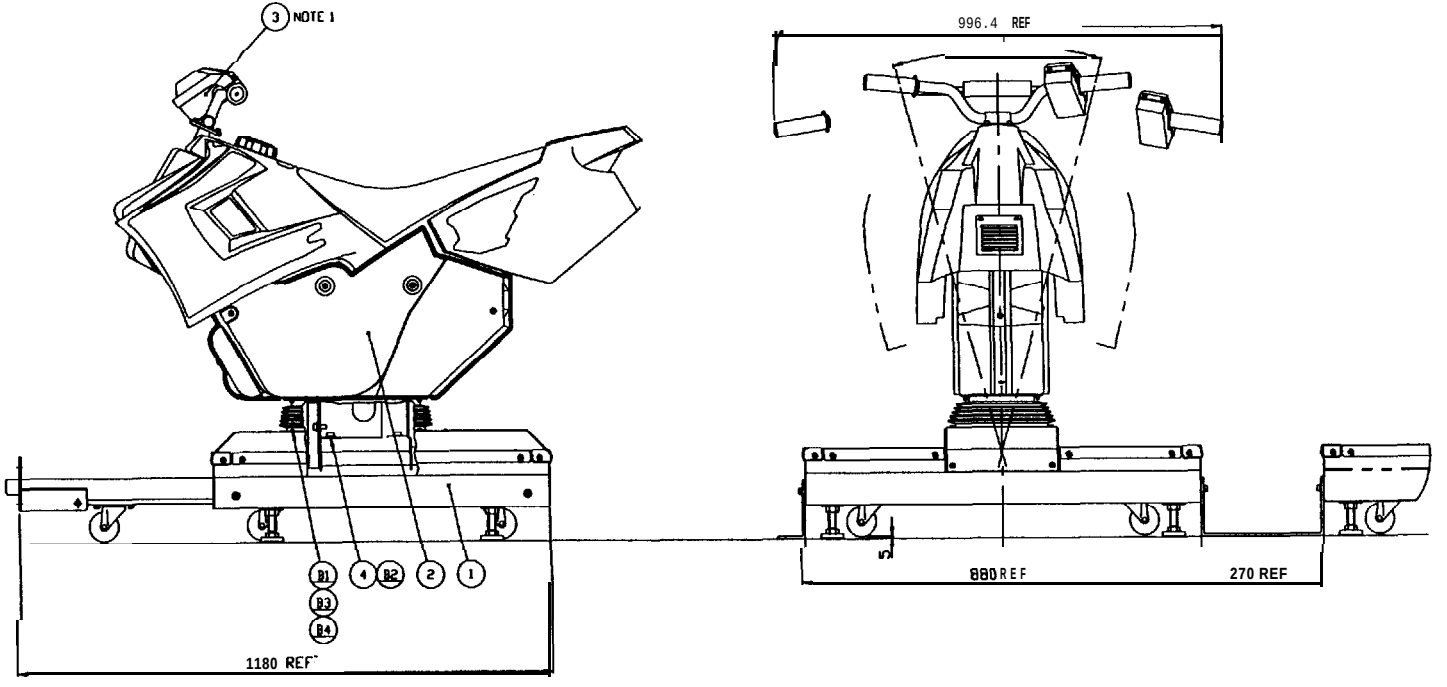
SIZE C | DWG NO. MX05-07074-00 | REV. A

SCALE NONE | FILE NAME 07074-00 | SHEET 1 OF 1

ASSY, RIDE, **MX05-07075-00**

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX05-07113-00	ASSY, BASE, BIKE	1	
2	MX05-07114-00	ASSY, BIKE	1	
3	MX05-07172-00	ASSY, HANDLE	1	
4	VG17-05167-00	LOCTITE	A/R	
B1	VG20-04973-12	SCREW, TRUSS HD, PHIL, M5 X 12, BO	6	Bike Assy x 6
B2	VG20-06270-25	SCREW,SKT HD, M10 X 25, BO	6	Bike Assy x 6
B3	VG20-05522-10	WASHER, FLAT, M10, BO	6	Bike Assy x 6
B4	VG20-05523-10	WASHER, SPLIT LK, M10, BO	6	Bike Assy x 6

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APVD
A			PRODUCTION RELEASE		



NOTE:

1) REFER TO THE HANDLE ASS" (DRAWING MX05-07172-00) FOR HANDLE MOUNTING HARDWARE.

NH-TN # 24742001

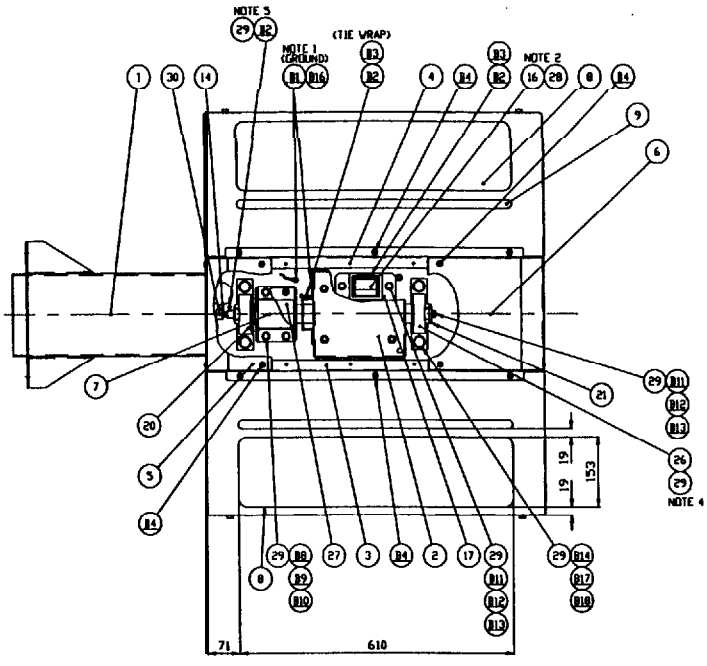
NO.	DESCRIPTION	MAT PART NUMBER	MLTB PART NUMBER	Q
	BILL OF MATERIAL			

DRAWN T. K. 10-30-07	namco 150 Chorcal Avenue San Jose, California 95131		
DESIGN			
MATERIAL –	TITLE ASSY, RIDE		
FINISH –	SIZE C	DWG NO. MX05-07075-00	REV A
CHECKED AND APPROVED	SCALE NONE	FILE NAME 07075-00	SHEET 1 OF 1
NEXT USE MOTOCROSS-GO1 STD			

ASSY, MONITOR TOWER, MX05-07076-00

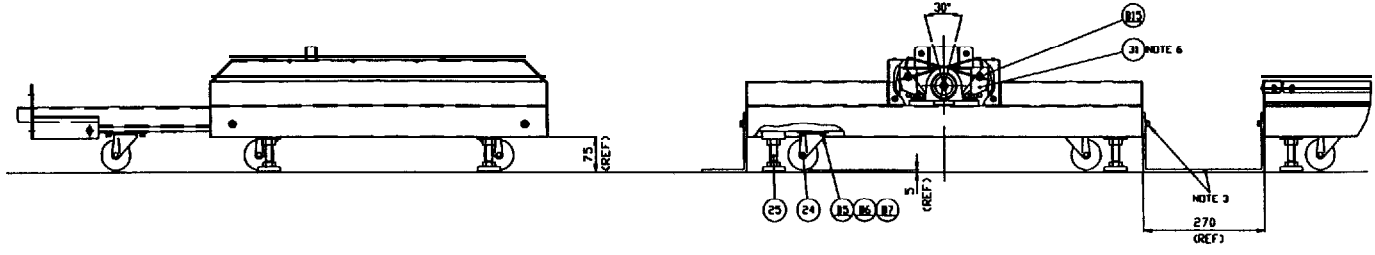
ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX90-06796-00	BEZEL, MONITOR	1	
2	MX63-07229-00	CABINET, WOOD	1	
3	MX63-07230-00	COVER, BACK	1	
4	MX63-07083-00	COVER, MONITOR (L)	1	
5	MX63-07083-01	COVER, MONITOR (R)	1	
6	MX10-07277-00	BRACKET, JOINT	1	
7	MX10-07086-00	BRACKET, BEZEL, UPPER	1	
8	MX10-07087-00	BRACKET, BEZEL, LOWER	1	
9	MX10-07092-00	BRACKET, MARQUEE	2	
10	MX10-07095-00	COVER, SPEAKER	2	
11	MX40-07061-00	DECAL, INSTRUCTION - CAUTION, BEZEL	1	
12	MX40-07062-00	DECAL, CABINET SIDE, UPPER, LEFT	1	
13	MX40-07062-01	DECAL, CABINET SIDE, UPPER, RIGHT	1	
14	MX40-07064-00	DECAL, BASE	2	
15	VG40-06882-00	DECAL, FORK	2	
16	VG44-02642-00	LABEL, SERVICE PERSONNEL ONLY	1	
17	VG46-02653-00	LABEL, FCC	1	
18	VG46-02654-00	LABEL, FBI	1	
19	VG46-02655-00	LABEL, SERIAL NUMBER	1	
20	MX46-07347-00	LABEL, U.L., MOTOCROSS-GO! STD	1	
21	RV10-04392-00	GRILL, VENT, LOUVERED	3	
22	VG26-07036-00	LOCK, 1 1/8 BARREL W/ 3/8 CAM	2	
23	VG26-07037-00	ANCHOR, WASHER	2	
24	VG24-05309-00	CASTERS, 3" SWIVEL	4	
25	VG10-06894-02	PLATE, LEVELER, 3/4-10	4	
26	VG20-05344-14	LEVELER, 3/4-10 X 3.50	4	
27	VG85-06880-00	**COLOR MONITOR, 27"**	1	WELLS GARDNER K7400
28	VG54-06918-00	SPEAKER, 4 OHMS,5 1/4", 25W RMS	2	
29	MX63-07276-00	ACCESS PANEL, MONITOR	1	
30	VG50-07313-00	CABLE, MINI-DIN, MALE, 1 METER	1	
31	VG56-06865-00	TRANSFORMER, 48VCT	1	
32	VG56-04594-00	TRANSFORMER, 15V AND 24V	1	
33	VG44-02644-10	LABEL,5A,250V,SLO-BLOW	1	
34	VG52-03584-08	FUSE, 5 AMP, SLOW BLOW	1	
35	VG44-03851-00	LABEL, FUSE REPLACEMENT	1	
36	VG52-03365-00	FUSE, HOLDER, 1 POLE W/ 3/16 TERMINAL	1	
37	VG50-06800-00	CABLE, USB, A TO B , .7M	2	DUSB-HAB11-FE07
38	MX10-07348-00	GRILLE, COVER		
39	VG78-05265-00	FERRITE BEAD ASSY	7	
40	VG88-06871-00	**PWR SUPPLY, SWITCHING 5V/12V 200W**	1	
	VG10-04612-00	BRACKET, POWER SUPPLY, "L"	1	
	VG20-02895-08	SCREW, PAN HD, PHIL, 6-32X1/2, SZ	1	
	MX50-07187-00	HARNESS, TO COIN & SERVICE PANEL	1	
	MX50-07190-00	HARNESS, TO MARQUEE SPEAKER	1	
	MX50-07201-00	HARNESS, TO AC LINE EXT	1	
	MX50-07202-00	HARNESS, TO MARQUEE & MONITOR	1	
	MX50-07289-00	HARNESS, AC INPUT 3.3V PWR SUPPLY EXT 2	1	
	CY50-03975-00	HARNESS, POWER CORD, LEFT PWR SUPPLY	1	
	MX50-07291-00	HARNESS, RED, GREEN, BLUE	1	
	MX50-07363-00	HARNESS, 12V DC OUTPUT EXT	1	

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APVD
A			PRODUCTION RELEASE		



NOTES

1) INSERT THE GROUND TERMINAL BETWEEN B1 AND B16.
2) SECURE RUBBER STOPPER (16) INTO BASE STOPPER (17) USING SCREWS (B2) AND WASHERS (B3). APPLY GREASE (28) TO TOP SURFACE OF (16) AND CONTACT SURFACES OF ROLLING SHAFT (2), PRIOR TO ASSEMBLY.
3) WHEN LINKING OVER 2 CABINETS USE JOINT, RIDE (CONV KIT). HARDWARE SUPPLIED WITH CONV KIT. BUBBLE WRAP JOINT, RIDE AND SECURE FOR SHIPMENT
4) TIGHTEN SET SCREWS FOR BEARING (26) AGAINST THE FLATS OF ROLLING SHAFT (2) APPLY LOCTITE (29) TO THREADS PRIOR TO ASSEMBLY.
5) PLACE THE SCREW (B2) AGAINST THE FLAT SIDE OF ROLLING SHAFT (2).
6) PRIOR TO SHIPPING SECURE BIKE MOTION WITH PLATE LOCK (31)



NLTD #24742100

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
.XX +/- .010 APPROX
.XXX +/- .005 +/- 1°
DIMENSIONS APPLY AFTER FINISH
DO NOT SCALE

DRAWN P.S.... 10-30-97
DESIGN
MATERIAL
FINISH
CHECKED AND APPROVED

namco 150 Chorcal Avenue San Jose, California 95131

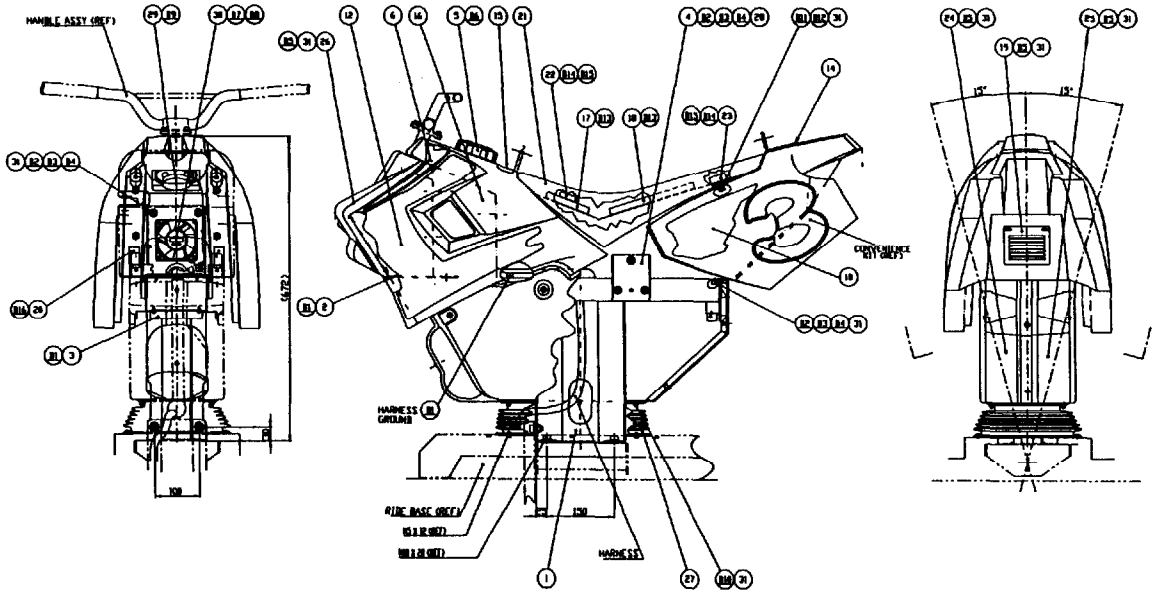
TITLE: ASSEMBLY, BIKE BASE

USED ON: MOTOCROSS-GO!
SIZE C | DWG NO. MX05-07113-00 | REV A
SCALE NONE | FILE NAME

ASSY, BIKE, MX05-07114-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
1	MX10-07130-00	FRAME, BIKE	1	
2	MX10-07131-00	BRACKET, COVER, PULLEY	1	
3	MX10-07133-00	BRACKET, ENGINE	2	
4	MX10-07134-00	BRACKET, SIDE	2	
5	MX90-07135-00	COVER, SPEAKER (GAS CAP)	1	
6	MX40-07123-00	DECAL, TANK, UPPER, LEFT	1	
7	MX40-07123-01	DECAL, TANK, UPPER, RIGHT	1	
8	MX40-07070-00	DECAL, TANK, BLACK, LEFT	1	
9	MX40-07070-01	DECAL, TANK, BLACK, RIGHT	1	
10	MX40-07173-00	DECAL, NUMBER PLATE, FLAMES, LEFT	1	
11	MX40-07173-01	DECAL, NUMBER PLATE, FLAMES, RIGHT	1	
12	MX40-07122-00	DECAL, TANK, LOWER, LEFT	1	
13	MX40-07122-01	DECAL, TANK, LOWER, RIGHT	1	
14	MX40-07068-00	DECAL, FENDER	1	
15	VG40-07349-00	DECAL, WARNING (ONE PLAYER ONLY)	1	
	MX05-07281-00	ASSY, BODY, BIKE	1	
16	MX90-06874-00	BODY, BIKE	1	
17	MX10-07213-00	ADJUSTER (F),	1	
18	MX10-07141-00	ADJUSTER (R)	1	
19	MX10-07142-00	COVER, AIR	1	
20	MX10-07280-00	STOPPER, HOLDER	2	
	MX05-07282-00	ASSY, SEAT, BIKE	1	
21	MX90-07136-00	BASE, SEAT	1	
22	MX10-07137-00	HOOK	1	
23	MX10-07139-00	BRACKET, BOTTOM	1	
	VG20-02904-08	SCREW, PN HD, PHIL, #10 X 1/2	6	
	VG20-05253-20	BOLT, HEX HD, M8 X 20, SZ	2	
	VG20-06413-04	RIVET, STEEL, 3/16, LONG	12	
	VG20-02878-09	WSHR, FNDR, 1.25 OD, 3/8, SZ	2	
24	MX05-07142-00	COVER, ASSY, LEFT	1	
	MX90-06795-00	COVER, ENGINE, LEFT	1	
	MX10-07144-00	BRACKET, BELLOWS	1	
	VG20-06413-02	RIVET, STEEL, 1/8	2	
25	MX05-07142-01	COVER, ASSY, RIGHT	1	
	MX90-06794-00	COVER, ENGINE, RIGHT	1	
	MX10-07144-00	BRACKET, BELLOWS	1	
	VG20-06413-02	RIVET, STEEL, 1/8	2	
26	MX90-06793-00	COVER, FRONT	1	
27	MX90-07148-00	BELLOWS, MX	1	
28	VG17-05167-00	LOCTITE	A/R	Loctite 242
29	VG54-02684-00	SPEAKER, 8 OHMS, 15W	1	
30	VG55-07294-00	BRUSHLESS FAN, 12V DC	1	
	VG67-07383-00	CONN, 2P CAP mini-mate-n-lok	1	
	VG67-07382-00	CONT, MALE, mini-mate-n-lok	2	
31	VG17-07322-00	3 BOND, ADHESIVE (1401)	AR	
	MX40-07123-00	DECAL, TANK, UPPER, LEFT	1	
	MX40-07123-01	D DECAL, TANK, UPPER, RIGHT	1	
	MX40-07070-00	DECAL, TANK, BLACK, LEFT	1	
	MX40-07070-01	DECAL, TANK, BLACK, RIGHT	1	
	MX40-07173-00	DECAL, NUMBER PLATE, FLAMES, LEFT	1	

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-11-97	PRODUCTION RELEASE		



ASSEMBLY PROCEDURES

PASS (27), BELLOWS, THROUGH (1), BIKE FRAME, AND ATTACH (1) TO THE BIKE BASE ASSY

ATTACH (2), PULLEY COVER BKT, (16), BIKE BODY, (4), SIDE BKT, (3), ENGINE BKT, IN THAT ORDER

TEMPORARILY SECURE (24 & 25), ENGINE COVER L&R
ATTACH (27), BELLOWS, TO ENGINE COVER L&R. AFTER THAT TIGHTEN THE ENGINE COVERS

EXCLUDE (26), COVER FRONT, ATTACH OTHER PARTS
ATTACH (26) AFTER INSTALLATION OF HANDLE ASSY

NLTD # 24742200

NO.	DESCRIPTION	NAO PART NUMBER	NLTD PART NUMBER	QT
	BILL OF MATERIAL			

DRAWN: G.D. 10-30-97
DESIGN:
MATERIAL:
FINISH:
DO NOT SCALE
CHECKED AND APPROVED
USED ON: MOTOCROSS-GO! STD

namco 150 Charcot Avenue San Jose, California 95131

TITLE: ASSEMBLY, BIKE

SIZE C | DWG NO. MX05-07114-00 | REV A

FILE NAME

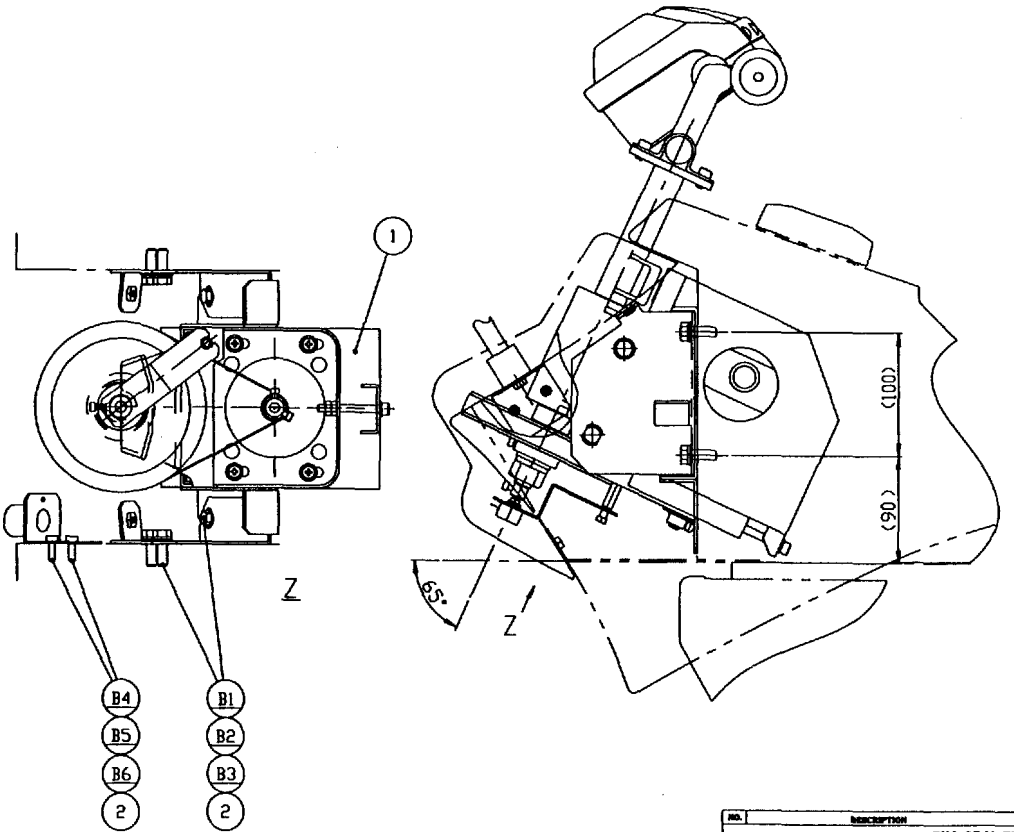
ASSY, BIKE, **MX05-07114-00**

ITEM	P/N	DESCRIPTION	QTY	NOTES
	MX50-07180-00	HARNESS, HANDLE BAR EXT 1	1	
	MX50-07181-00	HARNESS, HANDLE BAR EXT 2	1	
	MX50-07183-00	HARNESS, TO BANK POT	1	
	MX50-07195-00	HARNESS, SPEAKER & FDBK STRG EXT 1	1	
	MX50-07196-00	HARNESS, SPEAKER & FDBK STRG EXT 2	1	
B1	VG20-03181-10	SCREW, PAN HD, PHIL, M4 X 10, SZ	7	(2) x 2, (3) x 4, (Gnd) x 1
B2	VG20-05658-20	SCREW, SKT HD, M8 X 20, BO	10	(4) x 4, (16) x 6
B3	VG20-05523-09	WASHER, SPLIT LK, M8, BO	10	(4) x 4, (16) x 6
B4	VG20-05522-09	WASHER, FLAT, M8, BO	10	(4) x 4, (16) x 6
B5	VG20-04973-12	SCREW, TRUSS HD, PHIL, M5 X 12, BO	18	(24)x8,(25)x4,(26)x4,(19)x2
B6	VG20-02906-16	SCREW, PAN HD, PHIL #8 X 1.00, BO	4	(5) x 4
B7	VG20-03181-35	SCREW, PAN HD, PHIL, M4 X 35, SZ	2	(30) x 2
B8	VG20-05520-06	WASHER, FLAT, M4, SZ	2	(30) x 2
B9	VG20-02906-08	SCREW, PAN HD, PHIL #8 X 1/2, BO	4	(29) x 4
B10	VG20-06579-07	NUT, HEX, ACORN, M5, BO	6	(27) x 6
B11	VG20-05253-20	BOLT, HEX HD, M8 X 20, SZ	2	(21) x 2
B12	VG20-02878-09	WASHER, FENDER, 1.25 OD, 3/8, SZ	2	(21) x 2
B13	VG20-06413-04	RIVET, STEEL, 3/16, LONG	12	(17) x 6, (18) x 6
B14	VG20-04973-08	SCREW, TRUSS HD, PHIL, M5 X 8, BO	8	(22) x 4, (23) x 4
B15	VG20-05523-07	WASHER, SPLIT LK, M5, BO	8	(22) x 4, (23) x 4
B16	VG20-02904-08	SCREW, PAN HD, PHIL, #10 X 1/2, SZ	4	(20) x 4

ASSY, HANDLE, MX05-07172-00

ITEM	P/N	DESCRIPTION	QTY	NOTES
	VG75-07050-00	POTENTIOMETER, 1K, 270 DEGREES	1	EWSUGBF20E13
	VG75-05464-00	POTENTIOMETER, 1K, 40 DEGREES	1	EWSV7BF20E13
	VG75-03824-00	POTENTIOMETER, 1K, 60 DEGREES	1	EWSV7CF20E13
	MX96-06928-00	GRIPS, RUBBER	1 pr	
	MX90-06799-00	ACCEL COVER	1	
	MX40-07072-00	DECAL, CHANGE VIEW	1	
	MX90-07060-00	GRIP BASE	1	
	MX96-06909-00	FOAM, HANDLEBAR PAD	1	
	MX96-06895-00	PAD COVER	1	
2	VG17-07322-00	3 BOND, ADHESIVE (1401)	A/R	
B1	VG20-05658-20	SCREW, SKT HD, M8 X 20, BO	8	(1) x 8
B2	VG20-05523-09	WASHER, SPLIT LK, M8, BO	8	(1) x 8
B3	VG20-05522-09	WASHER, FLAT, M8, BO	8	(1) x 8
B4	VG20-04930-14	SCREW, SKT HD, M5 X 14, BO	2	(1) x 2
B5	VG20-05523-07	WASHER, SPLIT LK, M5, BO	2	(1) x 2
B6	VG20-05522-07	WASHER, FLAT, M5, BO	2	(1) x 2

REVISION					
LTR	ECO	DATE	DESCRIPTION	BY	APPR
A		11-07-97	PRODUCTION RELEASE		



NLTD #24731300

NO.	DESCRIPTION	NAI PART NUMBER	NLTD PART NUMBER	QTY

BILL OF MATERIAL

UNLESS OTHERWISE SPECIFIED TOLERANCES
.XX +/- .010 .XXX +/- .005 ANGULAR +/- 1°
MACHINING APPLY AFTER PAINT.
DO NOT SCALE

USED ON: MOTOCROSS-GO!

DRAWN: [illegible] 11-07-97
DESIGN:
MATERIAL: -
FINISH: -
CHECKED AND APPROVED:

namco 150 Charcot Avenue San Jose, California 95131

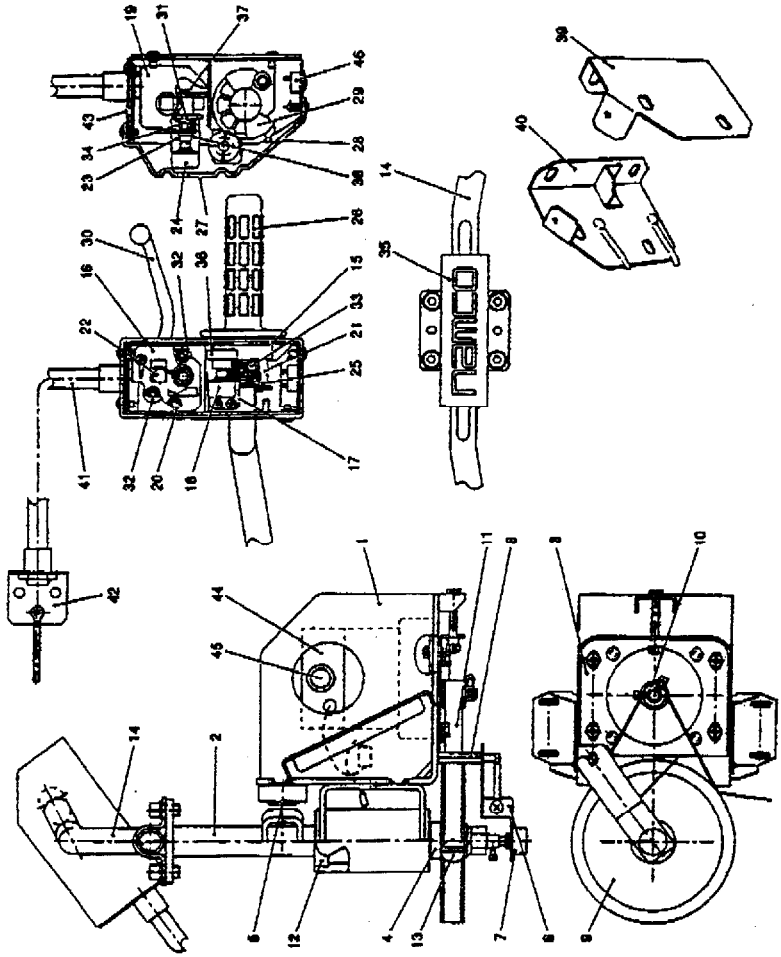
TITLE: HANDLE ASSY

SIZE: C | DWG NO.: MX05-07172-00 | REV.: A

FILE NAME:

SHEET 1 OF 1

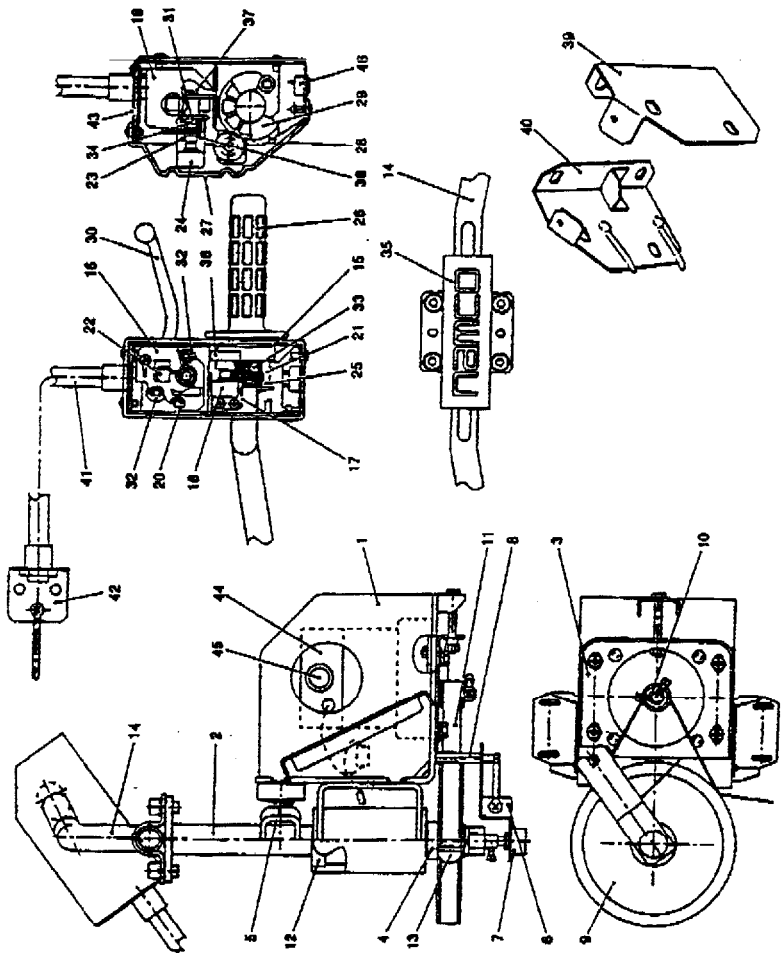
HANDLE ASSY



HANDLE ASSY ▬ PARTS LIST

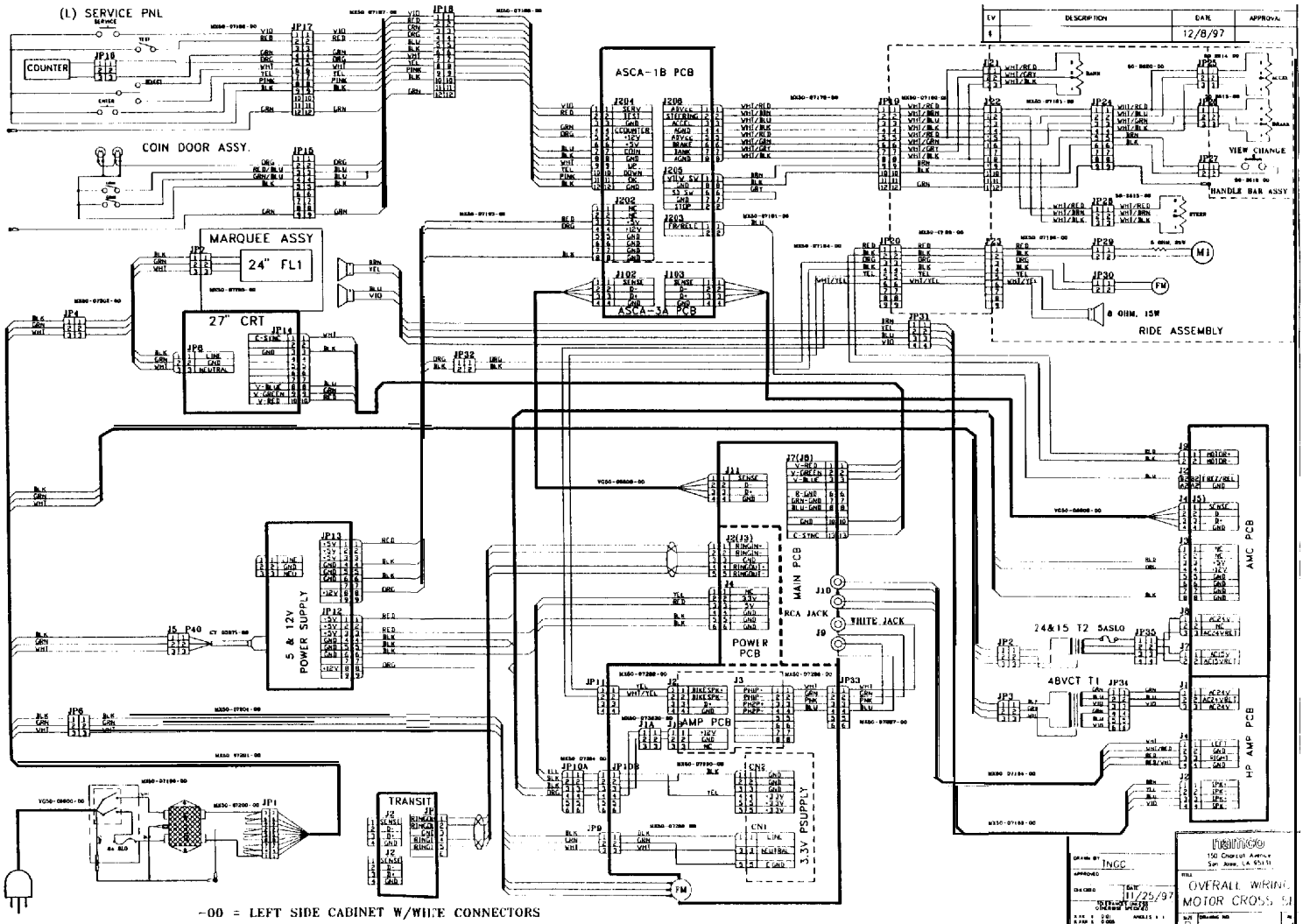
No.	Part name	Quantity	Part number
1	Steering base	1	666-326
2	Handle shaft	1	666-317
3	Motor plate	1	666-315
4	Pulley collar	1	666-314
5	Stopper rubber	2	666-313
6	Steering control bracket	1	666-310
7	Steering control 60 degrees [EWS-V7CF20E13]	1	008-023
8	Bracket rod	1	666-309
9	Pulley (A)	1	666-301
10	Pulley (B)	1	666-300
11	Belt [150S3M522]	1	108-022
12	Bearing [60/22-ZZ]	2	103-083
13	Parallel key [6 x 6 x 20]	1	107-055
14	Handle	1	666-324
15	Box cover	1	666-323
16	Brake upper plate	1	666-322
17	Accelerator control bracket	1	666-321
18	Accelerator control 280 degrees [EWS-UGBF20E13]	1	008-022
19	Slide plate	1	666-320
20	Stopper spacer	3	666-319
21	Accelerator stopper	1	666-318
22	Stopper rod	1	666-316
23	Brake control bracket	1	666-312
24	Brake control 40 degrees [EWS-V7BF20E13]	1	008-021
25	Accelerator washer	1	666-311
26	Grip	2	666-331
27	Accelerator cover	1	666-332
28	Switching sticker	1	666-337
29	Grip base	1	240-102
30	Brake lever S/A	1	666-329
31	Spring stopper spacer	1	666-306
32	Brake stopper	2	666-305

HANDLE ASSY (continued)



HANDLE ASSY – PARTS LIST (continued)

No.	Part name	Quantity	Part number
33	Throttle spring	1	666-304
34	Brake spring	1	666-302
35	Bar pad	1	666-327
36	Spur gear [S1S24B+0806]	1	240-126
37	Flange bush [BM0705FB]	1	104-061
38	Flange bush [BM1012FB]	1	104-060
39	Hold plate (L)	1	666-340
40	Hold plate (R)	1	666-341
41	Harness tube	1	666-342
42	Connector holder	1	666-343
43	Connector plate	1	666-344
44	Handle motor	1	005-143
45	Motor brush (for the handle motor)	1	005-147
46	View point switch [VHM-1-G-XGZX0077]	1	000-318


(L) SERVICE PNL
COUNTER
COIN DOOR ASSY.
MARQUEE ASSY
24" FL1
27" CRT
ASCA-1B PCB
ASCA-3A PCB
5 & 12V POWER SUPPLY
MAIN PCB
POWER PCB
RCA JACK
WHITE JACK
AMP PCB
3.3V PSUPPLY
TRANSIT
AMC PCB
HP AMP PCB
24&15 T2 5ASLO
48VCT T1
VIEW CHANGE
HANDLE BAR ASSY
8 OHM, 15W
RIDE ASSEMBLY
DESCRIPTION
DATE
APPROVAL
12/8/97
namco
OVERALL WIRING
MOTOR CROSS
11/25/97
-00 = LEFT SIDE CABINET W/WHITE CONNECTORS